“I studied an undergraduate degree in electronic engineering and was looking for a program that would build on this field and help me establish a career in the built environment. The Audio and Acoustics program has really developed my understanding of the built environment’s sound aspects, and I am excited about the career opportunities ahead.”

DANIEL R JIMENEZ
MASTER OF DESIGN SCIENCE (AUDIO AND ACOUSTICS)
Pursuing postgraduate education is an investment in your skills, employment potential and career direction.

Our programs are flexibly designed to offer you a broad understanding of fields to study and enable your choice of an elective program. This multidisciplinary teaching structure makes a postgraduate degree from Sydney a highly regarded qualification in Australia and overseas.

FACILITIES
The Faculty of Architecture, Design and Planning offers the latest facilities and laboratories. You will have 24-hour access to the Wilkinson Building, its computer labs and studio spaces.

The faculty has invested in first-rate research and teaching laboratories including the only indoor environment quality laboratory in the Southern Hemisphere, an extensive research lighting laboratory and superb audio and acoustic laboratories including an anechoic chamber and recording studio. The Wilkinson Building is home to one of the best-equipped design fabrication facilities in the country.

All of our students are welcome to use the labs for design and prototype manufacture, with high-cabibre timber, metal, digital and plastics fabrication facilities.

WORLD-CLASS LEARNING
The Faculty of Architecture, Design and Planning is home to a unique and collegiate body of creative thinkers. You will join a passionate and ambitious group of students who represent academic excellence. You will be taught by academic staff who are world leaders in their fields and assisted by support staff betting a pre-eminent teaching and research institute.

CHOICE AND FLEXIBILITY
You decide what you study and for how long. In most programs you can choose to undertake a full master’s degree, graduate diploma, graduate certificate or even individual units of study. We offer Australia’s widest range of graduate units across a number of design fields. You can complete core and optional units from within our faculty, and draw on a range of electives from many other faculties.

These study options give you unrivalled control over the content in your program. They also allow you to pursue a professionally relevant breadth of subjects and specialise in your key interests.

VIBRANT CAMPUS LIFE
Our faculty is large enough to attract world-leading staff and teachers, yet small enough to develop a distinct, collegiate environment.

Our students work, study, create, learn and socialise well beyond their class contact hours. A vibrant calendar of extracurricular events ensures there is always something stimulating to enjoy. These events include exhibition openings at the faculty’s own Tin Sheds Gallery, public lectures, and industry and alumni presentations.

HISTORY OF INNOVATION
For 90 years, the faculty has been leading innovative thinking and research in architecture, design and related fields, complementing its traditional expertise with the new fields of virtual design environments.

The faculty has also been home to experimentation and the leading edge of design technologies. We offered the first design computing degree in 1978 and Australia’s first program in interaction design and electronic arts in 2011. We also offer Australia’s longest-running programs in facilities management and heritage conservation.

You will benefit from this long history of excellence and innovation. A graduate degree from our faculty carries an assurance of high-quality, research-led and professionally relevant education that is respected worldwide.

REWARDING THE BEST
The faculty offers a broad range of scholarships and prizes that encourage and recognise strong and talented work.

We have a long tradition of partnerships with industry that provide a series of student awards, presented annually. These awards carry prestige and can offer significant financial rewards.

INTENSIVE STUDY
Many subjects are taught in intensive block-mode, condensing a whole semester into four to six days, making them easier to fit around work, family and other commitments.

Some units, however, may be delivered in weekly lecture format. To find out more, visit sydney.edu.au/handbooks/architecture

SURF HARMONY AND ENVIRONMENT
The Wilkinson Building is home to one anechoic chamber and recording studio. These facilities have been used to record music for a number of Sydney Opera House events and music videos. The faculty also offers an extensive research in architecture, design and Planning is home to a unique and multidisciplinary teaching structure makes a postgraduate degree from Sydney a highly regarded qualification in Australia and overseas.

We offer a range of single subjects from our postgraduate programs as part of our Professional Education Program. We know that the way we learn, work and live is always changing. That’s why we offer you flexibility in how to complete our coursework programs.

Subjects are taught in either weekly or intensive block-mode (condensing a whole semester into four or five days). This study option is open to anyone who can meet assumed or prerequisite knowledge requirements.

You may enrol in individual units from every postgraduate program as a ‘non-award’ student.

To help you keep your professional skills up to date, most units qualify for continuing professional development points for various professional industry bodies. And by successfully completing the subject’s assignments, participants may apply for credit towards a degree offered by the faculty.

For a comprehensive list of units of study available for continuing professional development and other non-award study, visit our website sydney.edu.au/architecture/CPD
MASTER OF ARCHITECTURE

The Master of Architecture builds on the skills you acquired in your undergraduate degree and prepares you for registration as an architect. This degree produces graduates who are forward-thinking, adaptable, and at the forefront of changing industry trends.

WHAT IS THE OUTCOME OF THIS COURSE?
The Master of Architecture enables you to gain the knowledge and skills necessary to become a registered architect. The program reflects the increasing complexity and diversity of the architect’s role.

As a graduate of this program, you will be equipped to provide the community with the highest quality of architecture. You will have the skills to think clearly and make reasoned judgements about your work.

The combined program of Bachelor of Design in Architecture/Master of Architecture is recognised by both the Australian Institute of Architects and the Commonwealth Association of Architects.

Graduates of the Master of Architecture program may apply to register as architects with the NSW Architects Registration Board.

MODES OF STUDY
You can take this program full time or part time. The maximum timeframe for part-time study is six years. To plan your progression, please review the faculty handbook course requirements.

ADMISSION REQUIREMENTS
Students need to have completed the Bachelor of Design in Architecture or another degree deemed equivalent by the faculty. Graduates of the University of Sydney undergraduate architecture program are required to complete the prerequisite unit Architectural Professional Practice.

If you have completed a degree equivalent to the Bachelor of Design in Architecture at another university, you need to have a credit average throughout your degree (65 percent). You will also need to submit a portfolio of work.

If you do not have the required marks, you may submit a portfolio representative of your years of study and undertake either professional work experience, relevant field study, international exchange units or a postgraduate qualification in a related discipline in support of your application.

PROFESSIONAL EXPERIENCE
We recommend that you complete at least 18 weeks of documented work experience before starting the final year of the Master of Architecture, however, this is not compulsory.

Registration as an architect requires at least two years of documented professional experience. At least one of these years needs to commence following completion of the Master of Architecture.

FEES (PER YEAR FULL TIME)
Local
Commonwealth-Supported Place
HECS Band 2 ($8365)
International
$33,100

For full unit of study descriptions visit sydney.edu.au/courses
For more than 60 years, the University of Sydney has offered higher degree courses related to the building and design sciences. After considerable consultation with industry, the Faculty of Architecture, Design and Planning is pleased to launch the Master of Architectural Science program in 2015. This field is enjoying rapid and exciting technological change and our program imparts the knowledge and critical thinking skills that enable students to adapt, develop and lead change in the built environment. Our faculty is home to leading academics, researchers and innovative facilities.

We are offering the core streams of Illumination Design, Audio and Acoustics, and Sustainable Design. We are also offering Facilities Management and Building Services at graduate certificate level and introducing a new stream, High-Performance Buildings.

**STRUCTURE**

Students in the graduate certificate, graduate diploma, or master’s degree need to complete one of the following streams:

- Audio and Acoustics (see page 8)
- High-Performance Buildings (see page 10)
- Illumination Design (see page 16)
- Sustainable Design (see page 18)

You will also have the option to specialise in two areas within a double stream, which requires you to complete more credit points (see below).

**PROGRESSION**

Specific requirements for these awards include:

- For the Graduate Certificate in Architectural Science, you need to complete 24 credit points of core foundational and advanced units in a single specialisation.
- For the Graduate Diploma in Architectural Science, you need to complete 48 credit points of core foundational, advanced and elective units in a single specialisation.
- For the Master of Architectural Science with a single specialisation, you need to complete 72 credit points of core foundational, advanced, capstone and elective units in a single specialisation.
- For the Master of Architectural Science with two specialisations, you need to complete 96 credit points (two years) of core foundational, advanced, capstone and elective units in two specialisations (a unit that is common to the requirements of both specialisations may count towards the requirements for both streams, but may only count once in the total credit points for the degree).
- Core units completed in excess of the minimum requirements may count as elective units of study.

Architectural Science practitioners have a profound impact on the function, aesthetics and efficiency of buildings and spaces. They apply scientific expertise to analyse and control the physical phenomena affecting buildings.
Sound informs and shapes our experience of communication, entertainment and architectural spaces. It is a profound constant in areas of livable space. Our audio and acoustics program offers a solid foundation in the design, measurement and theory of sound.

WHO SHOULD TAKE THIS COURSE
The program is ideal for people with an academic and/or professional track record in audio, acoustics or related areas who wish to broaden and deepen their expertise. This includes audio engineers, architects, interior designers, sustainable designers and music-industry professionals.

WHAT IS THE OUTCOME OF THIS COURSE?
You will graduate with a specialist education in audio and acoustics that could lead to various career opportunities in fields including audio production, sound design and acoustic consulting in the architecture and urban design industries.

MODES OF STUDY
You can take this program as a graduate certificate (six months of full-time study), graduate diploma (one year of full-time study) or master’s degree (18 months of full-time study). You can also take this program as a double stream of full-time study) or master’s degree (18 months of full-time study), graduate diploma (one year of full-time study) or master’s degree (18 months of full-time study). You can also take this program as a double stream master’s degree in combination with another architectural science program for a two-year program.

Part-time study is available for Australian citizens and permanent residents. Individual units may also be taken as continuing professional development short courses without enrolling in a degree. Please refer to page 31 for information on research degrees available in audio and acoustics.

ADMISSION REQUIREMENTS
Master’s and graduate diploma applicants should hold a bachelor’s degree. Graduate Certificate applicants should hold a bachelor’s degree; alternatively, you may enter the program with permission by demonstrating at least five years’ professional experience deemed to reflect sufficient knowledge to satisfy entry requirements.

FEES (PER YEAR FULL TIME)
Local
$21,800
International
$30,000
For full unit of study descriptions visit sydney.edu.au/courses

FACILITIES AND EQUIPMENT
The faculty has extensive audio and acoustic facilities. Our students and researchers can access high-tech recording laboratories and software to complete their projects. Other equipment includes:
- a new audio studio
- an anechoic chamber and reverberant room
- kits for field measurements
- the only indoor environmental quality laboratory in the Southern Hemisphere.

Throughout your Master of Architectural Science (Audio and Acoustics) program, you will combine aesthetic sound design, new media, sound recording and system design with acoustic engineering, computer modelling and psychology. You will build on a foundational understanding of the broader aspects of architectural science, including illumination, building services, sustainable design and indoor environment quality, in world-class facilities.

A broad range of subjects enables you to choose units of specialised knowledge of audio technology and acoustical science. You can extend your coursework-based learning with a research project and benefit from a diverse offering of electives in recording and sound production.

COURSE DETAILS
Course name Credit points Duration (full time)
Master of Architectural Science (Audio and Acoustics) 72 15 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

CORE UNITS
Master’s and graduate diploma students complete all 24 credit points. Graduate certificate students complete at least 18 credit points.

Unit code Unit name Credit points Semester offered
DESC0010 Introduction to Architectural Science 6 1 intensive
DESC0011 Audio Production 6 1
DESC0151 Digital Audio Systems 6 1
DESC0155 Architectural and Audio Acoustics 6 1
DESC0201 Indoor Environmental Quality 6 2 intensive
DESC01917 Sound Design for New Media 6 2

OPTIONAL UNITS
Master’s and graduate diploma students complete at least 18 credit points. Graduate certificate students complete at least six credit points.

Unit code Unit name Credit points Semester offered
DESC0050 Audio Systems and Measurement 6 2
DESC0053 Architectural Acoustics Practice 6 2
DESC0154 Audio and Acoustics Seminar 6 1
DESC0155 Digital Audio Production with Pro Tools 6 2
DESC0157 Spatial Audio 6 1
DESC0155 Graduate Internship 6 1, 2
DESC0300 Research in Architectural and Design Science 6 1, 2
ARCH09201 Research Report 12 1, 2

ELECTIVE UNITS
You can take elective units from any graduate program within the Faculty of Architecture, Design and Planning or (with permission) from other faculties within the University. Master’s degree students can complete up to 30 credit points as electives. Graduate diploma students can complete up to 15 credit points as electives. Core units completed in excess of the minimum requirements may count as optional or elective units of study.
A high-performance building is aesthetically and environmentally designed to maintain optimum indoor comfort for occupants, while achieving high operational efficiencies. This course introduces an integrated approach to address the needs of the property industry from a long-term perspective.

Our new Master of Architectural Science (High-Performance Buildings) is your pathway to an exciting and rewarding career in the built environment field. This unique degree specialisation allows you to pursue a career within a wide range of areas, including building services, architectural practice, business, sustainable design, commercial development, property management and more. You will also gain the skills to ensure maximum operational efficiencies and optimal comfort and health for occupants of corporate and residential environments.

**FACILITIES AND EQUIPMENT**

The Faculty of Architecture, Design and Planning is ideally placed to respond to evolving industry needs. When you study with us, you will have access to the latest equipment and facilities such as our indoor environment quality laboratory where you can research the interaction of key factors such as temperature, humidity, air movement, ventilation rates, air quality, daylight, artificial lighting, sound and acoustics. You will also have access to specialist facilities such as an acoustics laboratory, anechoic chamber and lighting laboratory to support your study. These give you the opportunity not only to learn but also to participate actively in research as part of your studies.

**ADMISSION REQUIREMENTS**

Master’s and graduate diploma applicants should hold a bachelor’s degree. Graduate Certificate applicants should hold a bachelor’s degree; alternatively, you may enter the program with permission by demonstrating at least five years’ professional experience deemed to reflect sufficient knowledge to satisfy entry requirements.

**FEES (PER YEAR FULL TIME)**

Local $19,300
International $27,000

For full unit of study descriptions visit sydney.edu.au/courses
Our Building Services program enables high-level integration of dedicated building services studies with opportunities to take units from other disciplines to give you a broad overview of the built environment sector. Our first-principles approach, backed by the latest research and advanced equipment, ensures you will gain the knowledge to become a leader in this growing field.

This course equips you with the skills, knowledge and expertise required to understand and communicate the science behind building services. You will combine your technical understanding of the mechanics of building services with a design and sustainability approach. This combination enables you to work effectively alongside allied building professionals, including architects, designers, facilities managers and building tenants.

The course bridges the design and operational considerations of a building, taught with a strong grounding in the latest research. You will engage with contemporary technologies and challenges as you use state-of-the-art laboratories and attend off-campus sites. In the only Building Services program in Australia administered by an architecture faculty, you will be exposed to the unique requirements of the design professions and trained in providing technological solutions to design challenges.

WHO SHOULD TAKE THIS COURSE
This course is intended for applicants with a technical background who seek to broaden their understanding of building services, sustainability and facilities management. It is well suited to those who are looking to broaden the application of their skills in architecture, engineering or sustainability.

MODES OF STUDY
You can take this program as a graduate certificate (six months full time). Part-time study is available for Australian citizens and permanent residents.

The Building Services program recognises the interactions between the performance, design and management of a building. This program is a component of the High Performance Building stream; however, it can also be taken as a stand-alone graduate certificate.

FURTHER STUDY
Students who complete the Graduate Certificate of Facilities Management or Building Services with a credit average throughout their degree may apply for the Diploma or Master of High Performance Buildings for which credit will be granted for completed units of study.

INTENSIVE UNITS
Most units of study are taught in block-mode intensives, meaning students come to classes over several consecutive full days rather than attending weekly lectures for an entire semester.

ADMISSION REQUIREMENTS
Graduate Certificate applicants should hold a bachelor’s degree; alternatively, you may enter the program with permission by demonstrating at least five years’ professional experience deemed to reflect sufficient knowledge to satisfy entry requirements.

FEES
Local
$9650
International
$13,500
For full unit of study descriptions visit sydney.edu.au/courses
Facilities Management blends the technical demands of building services with managerial responsibilities. It ensures the efficient functioning of buildings through integrating people, space, processes and technology. Facilities Management is a component of the High-Performance Building stream; however, it can also be taken as a stand-alone graduate certificate.

KEVIN HAMMOND
FACILITIES MANAGEMENT GRADUATE

“I have something of a varied background. Over the past decade I’ve divided my time between occupational health and safety and the development, sales and marketing of a computerised maintenance management package.

I’ve always been a very ‘hands-on’ kind of person. While experience is of value, having a formal qualification can really help. This degree was a particularly good fit with my maintenance package business. It has allowed me to meet industry practitioners, both as fellow students and lecturers, to flesh out theory and confirm industry best practice. I have been able to use what I have learned to improve my product.

Gaining this degree not only provides credibility for me, but also for my product.

The highlight of my degree is definitely the people I’ve met. I am working with people who want to know more and are willing to put in the effort. The discussion has been energetic and the debate stimulating. I’ve been learning in a collaborative environment which makes it all the more interesting.”

Facilities managers may take charge of office towers, convention centres, shopping complexes, hospitals or hotels.

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.

This research-led program is backed not only by the best of managerial decision-making, but also by the science of building services. The program uses the faculty’s extensive facilities, including the only indoor environmental quality laboratory in the southern hemisphere. No other facilities management program offers this integrated, empirical approach.

WHO SHOULD TAKE THIS COURSE

The degree is aimed at anyone who is currently involved in the management of business premises, or who wishes to make the transition into this growing industry.

MODES OF STUDY

You can take this program as a graduate certificate (six months of full-time study). Part-time study is available for Australian citizens and permanent residents.

FURTHER STUDY

Students who complete the Graduate Certificate of Facilities Management or Building Services with a credit average throughout their degree may apply for the Diploma or Master of High Performance Buildings for which credit will be granted for completed units of study.

ADMISSION REQUIREMENTS

Graduate Certificate applicants should hold a bachelor’s degree; alternatively, you may enter the program with permission by demonstrating at least five years’ professional experience deemed to reflect sufficient knowledge to satisfy entry requirements.

FEES

Local
$9650
International
$13,500

For full unit of study descriptions visit sydney.edu.au/courses
Our entire visual experience depends on light. It has a broad impact on the function and aesthetics of architectural spaces. This program offers strong technical education in human visual perception, methods for quantifying light, lighting technologies and sustainability. You will develop the knowledge and critical thinking skills needed to move with technological change and lead innovation.

WHO SHOULD TAKE THIS COURSE
This professional program welcomes students from diverse backgrounds, including architecture, engineering, computer science, interior design and psychology.

WHAT IS THE OUTCOME OF THIS COURSE?
Graduates of this course are working with lighting design firms, engineering companies, lighting equipment manufacturers, architectural and design practices, lighting distributors, and as private consultants. Students who successfully complete this master’s coursework program are qualified for full membership in the Illuminating Engineering Society of Australia and New Zealand, subject to the required practical experience. There is also growing demand for lighting specialists to oversee the implementation of sustainable and innovative solutions to lighting needs in large-scale architecture and property projects.

MODES OF STUDY
This program can be taken as a graduate certificate, graduate diploma or master’s degree, which take between six months and two years to complete, but the certificate and diploma do not attract a full course load. This program can also be taken as a double stream master’s degree in combination with another Design Science program.

ADMISSION REQUIREMENTS
Master’s and graduate diploma applicants should hold a bachelor’s degree. Graduate Certificate applicants should hold a bachelor’s degree; alternatively, you may enter the program with permission by demonstrating at least five years’ professional experience deemed to reflect sufficient knowledge to satisfy entry requirements.

FEES (PER YEAR FULL TIME)
Local $39,300
International $27,000

For full unit of study descriptions visit sydney.edu.au/courses
Sustainable design involves creating buildings that meet the world’s need to reduce the human impact on ecological systems. Our integrated approach provides you with the knowledge to address sustainability issues without compromising building functionality or profitability.

MODES OF STUDY
You can take this program as a graduate certificate (six months of full-time study), graduate diploma (one year of full-time study) or a master’s degree (16 months of full-time study). You can also take this program as a two-year, double-stream master’s degree in combination with another architectural science program. 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.

ADMISSION REQUIREMENTS
Master’s and graduate diploma applicants should hold a bachelor’s degree. Graduate Certificate applicants should hold a bachelor’s degree; alternatively, you may enter the program with permission by demonstrating at least five years’ professional experience deemed to reflect sufficient knowledge to satisfy entry requirements.

FEES (PER YEAR FULL TIME)
Local $19,300
International $27,000

For full-unit of study descriptions visit sydney.edu.au/courses
The Heritage Conservation program develops your skills in the care and conservation of traditional and modern buildings. This program equips you with skills in best-practice management of culturally significant places, including buildings, sites and cultural landscapes.

This course offers insights into the social relevance and importance of cultural continuity in architectural changes for existing buildings. You will explore how recognition of a building’s value in a social context facilitates or constrains particular architectural approaches. We will train you in the management of conservation issues and teach you about the many regulatory and policy environments that apply to conservation work.

This program is broad-based and interdisciplinary. We draw on expertise from other fields of study to complement your knowledge of the conservation of buildings, their social functions and materials.

WHO SHOULD TAKE THIS COURSE?
This program is a natural extension of your interest in the conservation of the built environment. You will find this course suitable for developing your specialist conservation skills, from an architectural, urban planning, archaeological, historical, engineering or other related background.

WHAT IS THE OUTCOME OF THIS COURSE?
Graduates of the program will find a wide array of professional opportunities, either as conservation specialists or in the related fields of architecture, planning, archaeology, history or heritage consultancy.

MODES OF STUDY
You can take this program as a graduate certificate (six months of full-time study), graduate diploma (one year of full-time study) or master’s degree (18 months of full-time study). Part-time study is available for Australian citizens and permanent residents. Individual units may also be taken as continuing professional development short courses without enrolling in a degree.

Heritage Conservation Studies may also be taken as a major stream within the new two-year Master of Urbanism program. For more information, see page 28.

COURSE DETAILS

<table>
<thead>
<tr>
<th>Course name</th>
<th>Credit points</th>
<th>Duration (full time)</th>
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</thead>
<tbody>
<tr>
<td>Master of Heritage Conservation</td>
<td>72</td>
<td>1.5 years</td>
</tr>
<tr>
<td>Graduate Diploma in Heritage Conservation</td>
<td>48</td>
<td>1 year</td>
</tr>
<tr>
<td>Graduate Certificate in Heritage Conservation</td>
<td>24</td>
<td>0.5 year</td>
</tr>
</tbody>
</table>

ADMISSION REQUIREMENTS
Master’s degree applicants should hold a bachelor’s degree with a credit average. Graduate diploma applicants should hold a bachelor’s degree. Graduate certificate applicants should hold a bachelor’s degree or possess experience which demonstrates the knowledge and aptitude required to undertake the course.

FEES (PER YEAR FULL TIME)
Local $19,500
International $27,000
For full unit of study descriptions visit sydney.edu.au/courses

MARK RITCHIE
MBA Hons 1990
There are many reasons why I chose to undertake the Master of Heritage Conservation. The need for a better understanding of the conservation of buildings of historical significance, coupled with personal interest, were factors that lead me to decide to enrol in this program. I am currently employed with a large commercial building consultancy in Sydney, where I have been involved in heritage-related work for the past six years. I chose the Master of Heritage Conservation as a way to broaden my understanding and knowledge of the field. I was interested in learning more about the history of buildings, the social and cultural context in which they are located, and the regulatory frameworks that govern their conservation.

I have found the program to be highly informative and engaging. The lectures and seminars are well prepared and delivered by knowledgeable and experienced lecturers. The practical component of the program, including site visits and case studies, has also been very valuable. I have enjoyed the opportunity to network with other students and professionals in the field.

I would recommend this program to anyone interested in the field of heritage conservation and looking to enhance their knowledge and skills in this area. It has provided me with a deeper understanding of the complexities involved in the conservation of buildings, and I believe it has prepared me well for my future career.

JULIETTE CHEN
MBA Hons 1997
I chose to undertake the Master of Heritage Conservation because of my interest in the field of heritage conservation and my desire to deepen my understanding of the subject. I have been working in the heritage sector for several years and have found that the Master of Heritage Conservation has provided me with a broader understanding of the field and the regulatory frameworks that govern its practice.

The program has been well-structured and has provided a range of opportunities for learning and networking. I have enjoyed the practical component of the program, including site visits and case studies, which has helped me to apply my knowledge in real-world contexts.

I would recommend this program to anyone interested in the field of heritage conservation and looking to enhance their knowledge and skills in this area. It has provided me with a deeper understanding of the complexities involved in the conservation of buildings, and I believe it has prepared me well for my future career.
Technology mediates our social interactions, the work we do, the systems that govern us, and our personal and cultural lives. How we create and design these interactions is crucial to their success and the positive impact they have on our lives.

Our core philosophy is designing technology to delight its users. We aim to infuse technological innovation with human-centred design thinking. The result is an understanding of how to design interactive products and systems that will have lasting cultural and commercial importance. Our students learn to recognise and develop the technologies that will become ubiquitous in everyday life.

We offer a studio-based teaching environment in which you can work individually or in teams to design and build meaningful interactive experiences. You will 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 even become the basis of prototype products, patents, or even start-up services.

Through a series of intensive workshops you will acquire core technical competencies in programming, electronics and physical computing. We will train you to analyse, evaluate and apply these skills through a range of design challenges. In a foundational first semester, you will develop the essential industry knowledge and skills for working as an interaction or user-experience designer, at ease with web and mobile applications, as well as the ability to extend these skills to new domains such as natural user interfaces.

You can adapt this program to suit your interests and passions 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. Our graduates are well-connected industry specialists with expertise across the strategic, creative and technical domains.

WHO SHOULD TAKE THIS COURSE?
This degree is aimed at anyone who uses technology creatively—for artistic, personal or commercial purposes.

WHAT IS THE OUTCOME OF THIS COURSE?
Students become proficient in the design of interactive experiences and the creative use of new technologies that they can then use in a wide range of professional and artistic settings.

MODES OF STUDY
You can take this program as a graduate certificate (one semester of full-time study), graduate diploma (two semesters of full-time study) or master’s degree (three semesters of full-time study). You will need to allow for a full-day attendance in a studio, plus evening classes and/or weekend intensives.

ADMISSION REQUIREMENTS
- Applicants for the master’s degree need to hold a bachelor’s degree with a credit average.
- Applicants for the graduate diploma need to hold a bachelor’s degree.
- Applicants for the graduate certificate need to hold a bachelor’s degree and Electronic Arts.

FEES (PER YEAR FULL TIME)
Local $20,900
International $29,000

For full unit of study descriptions visit sydney.edu.au/courses

Course name Credit Duration (full-time)
IDEA9311 IDEA Research Internship 12 1, 2
IDEA9303 IDEA Research Dissertation 12 1, 2
IDEA9302 IDEA Research Project 12 1, 2
ARIN900 New Media Audiences 6 1
ARIN904 Mobile Media and Games 6 2

Core units completed in excess of the minimum requirements may count as optional or elective units of study.

*subject to approval

SUSANA ALARCON-LICONA
MASTER OF INTERACTION DESIGN AND ELECTRONIC ARTS (HONOURS)

"After gaining a bachelor’s degree in industrial design and working on interior and product design, my interest in using technologies in my projects started to grow. I found the Master of Interaction Design and Electronic Arts program the ideal opportunity to obtain the knowledge, technical skills and inspiration to explore different approaches to design. The events, talks and exhibitions within the faculty allowed me to make great contacts that translated into opportunities for work and invitations to exhibit my projects at the Powerhouse Museum in Sydney. The exposure to different disciplines and the freedom within the program gives you the chance to explore things more creatively and take more ownership of your work. For me, it meant I was able to find my passion in wearable and disability-inspired technologies, a research area that I will pursue in a PhD program at Design Lab."
The Master of Urban Design helps you to develop leadership and expertise in urban design and urbanism, with a strong emphasis on sustainability, quantification and implementation. This program produces skilled graduates who work in design, management and teaching roles in Australia and overseas.

**STRUCTURE**

This program is available in several formats:
- graduate certificate (one semester of full-time study)
- graduate diploma (two semesters of full-time study)
- master’s degree (three semesters of full-time study).

Part-time study is available for Australian citizens and permanent residents. You can also complete a Master of Urban Design (Architectural and Urban Design) that combines essentials of the two studio-based fields into a two-year, full-time degree.

The Master of Urban Design (Urban Design and Planning), is a two-year degree (four semesters) that incorporates the key elements of both the Master of Urban Design and Master of Urban and Regional Planning.

**WHO SHOULD TAKE THIS COURSE?**

Professionals and graduates in architecture, landscape architecture, urban planning or a closely related area will develop and extend their professional expertise; but we also welcome applicants from other disciplines.

This unit provides a basic grounding in urban design for students who wish to undertake the graduate certificate only. An introductory unit of study enables all students to participate effectively in the design studios and provides a basic grounding in urban design for students wishing to undertake the graduate certificate only.

**WHAT IS THE OUTCOME OF THIS COURSE?**

Graduates of the Master of Urban Design (Urban Design and Planning) degree are eligible, subject to professional experience requirements, for corporate membership of the Planning Institute of Australia.

**ADMISSION REQUIREMENTS**

Applicants for the graduate certificate are required to have a bachelor’s degree with a weighted average mark of 65. Applicants for the diploma and master’s degree are also required to submit a portfolio of work, records of work and travel or study related to urban design or a related discipline, to enable us to assess your expertise. If this portfolio includes group or professional work, it is important that you indicate clearly your particular role in producing each item of submitted work.

For detailed submission requirements and guidance, visit: sydney.edu.au/architecture/programs_of_study/postgraduate/urban_design.shtml

**FEES (PER YEAR FULL TIME)**

Local $19,500
International $27,000

For full unit of study descriptions visit sydney.edu.au/courses
The Urban and Regional Planning program allows you to develop specialised knowledge in environmental design and strategic planning for well-structured cities, along with the sustainable management of towns and cities.

Urban and regional planners prepare plans and policies at a range of levels including national, state, regional, local, precinct and site. They are also involved in the planning aspects of property developments.

This program focuses upon developing an understanding of how cities and sites are constructed physically, socially and environmentally.

The course focuses on developing 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. Our course is based on real-world planning case studies both in Australia and overseas combined with academic rigour.

A specialisation is available by selecting from the range of options offered in the Heritage Conservation stream.

You can also take individual units as continuing professional development short courses without enrolling in a degree.

Urban and Regional Studies may also be taken as a major within the two-year Master of Urbanism program. For more information, see page 28.

**MODES OF STUDY**

You can take this program as a graduate certificate (six months full-time), graduate diploma (one year full-time) or master’s degree (18 months full-time). 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 Studies may also be taken as a major within the two-year Master of Urbanism program. For more information, see page 28.

**ADMISSION REQUIREMENTS**

Master’s degree applicants need to hold a bachelor’s degree with a credit average (65 percent). Graduate diploma applicants need to hold a bachelor’s degree. Graduate certificate applicants need to hold a bachelor’s degree or demonstrate experience that is considered to reflect the knowledge and aptitude required for the course. Pathways are available from graduate certificate to diploma to master’s level for applicants who do not initially meet the master’s degree admission requirements.

**FEES (PER YEAR FULL TIME)**

Local $19,500

International $27,000

For full unit of study descriptions visit sydney.edu.au/courses

**CORE UNITS**

Master’s students complete at least 48 core unit credit points. Graduate diploma students complete at least 30 credit points and graduate certificate students complete at least 18 credit points.

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
<th>Semester offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9100</td>
<td>Introduction to Urban Design</td>
<td>6</td>
<td>1, 2 intensive</td>
</tr>
<tr>
<td>PLAN9063</td>
<td>Strategic Planning and Design</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>PLAN9068</td>
<td>History and Theory of Planning and Design</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>PLAN9045</td>
<td>Economics for Planners</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>PLAN9064</td>
<td>Land Use and Infrastructure Planning</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>PLAN9061</td>
<td>Planning Principles, Systems and Practice</td>
<td>6</td>
<td>1, 2 intensive</td>
</tr>
<tr>
<td>PLAN9018</td>
<td>Planning Report</td>
<td>12</td>
<td>1, 2</td>
</tr>
<tr>
<td>PLAN9070</td>
<td>Planning Dissertation 1</td>
<td>12</td>
<td>1, 2</td>
</tr>
<tr>
<td>PLAN9071</td>
<td>Planning Dissertation 2</td>
<td>12</td>
<td>1, 2</td>
</tr>
</tbody>
</table>

**OPTIONAL UNITS**

Heritage Conservation Stream – minimum of 18 credit points required for stream

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
<th>Semester offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9028</td>
<td>Conservation Methods and Practices</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>ARCH9024</td>
<td>History and Theory of Conservation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARCH9017</td>
<td>New Design in Old Settings</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>ARCH9022</td>
<td>Conservation of Traditional Materials</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARCH9063</td>
<td>Conservation of Modern Materials</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

**ELECTIVE UNITS**

Master’s and graduate diploma students complete up to 18 credit points of elective units (including science electives). Graduate certificate students complete up to six credit points.

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
<th>Semester offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN9049</td>
<td>International Urban Development Planning</td>
<td>6</td>
<td>1 intensive</td>
</tr>
<tr>
<td>PLAN9071</td>
<td>Housing and Urban and Regional Development</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>ARCH9063</td>
<td>Urban Morphology</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARCH9020</td>
<td>Urban Ecology, Design and Planning</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>PLAN9073</td>
<td>GIS Based Planning Policy and Analysis</td>
<td>6</td>
<td>2 late intensive</td>
</tr>
</tbody>
</table>

Core units completed in excess of the minimum requirements may count as optional or elective units of study.
The Faculty of Architecture, Design and Planning is proud in influencing the policy, planning and design of cities and regularly comment and advise on planning issues – directly or internship opportunity, providing you with new perspectives and experiences on current local and or the planning, policymaking and urbanisation of our cities.

Students develop a sophisticated understanding of history, theory and key concepts, along with analytical and technical skills through their specialised stream. The degree culminates in a 12 credit point integrated studio unit. You will have the opportunity to apply your knowledge and demonstrate the skills required for successful teamwork in a complex, real-world project alongside the two aligned disciplines. With the guidance of senior academic support, students learn first hand how to effect policy through successful collaboration with stakeholders. The program also offers elective opportunities to participate in either an international field studio or internship opportunity, providing you with new perspectives and experiences on current local and international issues surrounding our built environment.

WHAT IS THE OUTCOME OF THIS COURSE? Through this program you will become a highly sought-after professional who understands the complex interrelationships between the diverse aspects of environmental planning, urban policy, urban design, heritage conservation and policy.

ADMISSION REQUIREMENTS To apply for this degree, you need to have completed a bachelor’s degree in planning, architecture, design, human geography and/or related fields in the sciences or humanities, or have completed an approved graduate certificate. To qualify for the award of Master of Urbanism, you need to complete 96 credit points including:

- 42 credit points of core units of study and
- 18 credit points of capstone units and
- minimum 24 credit points of specialisation units of study and
- maximum 12 credit points of elective units of study.

FEES (PER YEAR FULL TIME)
Local $18,500
International $27,000
For full unit of study descriptions visit sydney.edu.au/courses

The move towards intelligent and holistic cities, adapting to global changes and developing sustainable mega-projects all require a comprehensive knowledge of social, environmental and economic factors. The Master of Urbanism is a two-year program for students interested in a comprehensive cross-disciplinary study of urban design, heritage conservation and urban and regional planning.
“My research investigates the potential of creative, tangible and embodied interactions to facilitate scientific literacy. I am collaborating with climate scientists from the CSIRO. The PhD program is a world-class experience, offering the resources to ensure candidates have the best possible chance of achieving their research goals.”

RESEARCH

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

The faculty offers the opportunity to pursue research degrees – the Master of Philosophy (MPhil) and the Doctor of Philosophy (PhD) – in four disciplines:

- Architecture
- Architectural Science
- Design Lab
- Urban and Regional Planning and Policy.

You may seek candidature in any of these fields, or pursue interdisciplinary studies across a range of fields within the faculty or the University’s other faculties. The University and the faculty have formal links with institutions throughout Asia, Europe, Scandinavia and North America. These include extensive exchange agreements offering research opportunities for students and staff.

We support our students’ research projects with a wide range of resources, including extensively equipped laboratories and comprehensive workshop facilities, such as the latest robotics and digital fabrication equipment. In 2016, the faculty will host the international Robots in Architecture conference, which will bring together the world’s leading experts in the field to the University of Sydney.

For more information, please visit sydney.edu.au/architecture/disciplines/archalliedarts.shtml

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 able to upgrade from the Master of Philosophy program providing you have made satisfactory progress has been made.

Candidates usually complete the PhD within eight semesters of full-time study (four years). 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. 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/disciplines/research_degrees.shtml

MASTER OF PHILOSOPHY (ARCHITECTURE) (MPhil(Arch))

This research master’s program allows candidates to undertake research and advanced specialisation in any area of scholarship and research undertaken by the faculty. Entry requirements include a bachelor’s degree 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).

SCHOLARSHIPS

For information on University of Sydney scholarships visit sydney.edu.au/architecture/current_students/scholarships.shtml
HOW TO APPLY

COURSEWORK ADMISSIONS
Who is eligible to apply?
Master’s degree and graduate diploma applicants should hold a bachelor’s degree. Master’s degree applicants for Architecture, Heritage Conservation, Interaction Design and Electronic Arts, and Urban and Regional Planning need to hold a bachelor’s degree with a credit average.
Graduate Certificate applicants should hold a bachelor degree; alternatively, you may enter the program with permission by demonstrating at least five years’ professional experience deemed to reflect sufficient knowledge to satisfy entry requirements. Please see the individual course listing in this brochure for full admission details.

MORE INFORMATION
Fees and FEE-HELP
Fees listed on each coursework program page are per one nominal full-time year. Annual fees are charged based on the number of credit points you complete each year.
FEE-HELP
Australian citizens can study now and pay later with the Australian Government’s FEE-HELP scheme. Our postgraduate coursework programs, with the exception of the Master of Architecture, are considered ‘full-fee paying courses’. You can choose to pay upfront for the units you study or defer payments through FEE-HELP, paying later through the taxation system.
For more information, please visit studyassist.gov.au

Still have questions?
For further information about your options, please contact us:
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sydney.edu.au/ask-domestic
International students
sydney.edu.au/ask-international
T +61 2 8627 1444
E arch.sac@sydney.edu.au
sydney.edu.au/architecture
The information contained in this brochure is correct at the time of publication (August 2014) but subject to change. For updated information, please consult our online handbook at sydney.edu.au/handbooks/architecture

HOW TO APPLY FOR A RESEARCH DEGREE
1. Find a supervisor
You can find a list of all academic staff, their areas of research and research publications at: sydney.edu.au/architecture/research
Research Supervisor Connect matches your research interests to available research opportunities and supervisors. Visit sydney.edu.au/research/opportunities
Ideally, your prospective supervisor will have agreed to supervise you before you apply formally.
2. Develop a statement of research interest
You will need to develop a statement of research interest in conjunction with one of the faculty’s academic staff who you would like to be your research supervisor. The goal of this statement is to determine whether your research interests align with the faculty’s research interests, and to 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/disciplines/research_apply.shtml

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