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IMPORTANT DATES

APPLICATION DATES | FIRST SEMESTER 2013 | SECOND SEMESTER 2013
---|---|---
LOCAL STUDENTS 30 NOVEMBER FOR MARCH ENTRY 30 APRIL FOR JULY ENTRY | 1 MARCH LECTURES BEGIN 5 -9 APRIL MID-SEMESTER BREAK 10 - 14 JUNE STUDY VACATION 17 - 29 JUNE EXAMINATION PERIOD 29 JUNE SEMESTER ENDS | 29 JULY LECTURES BEGIN 30 -SEPTEMBER - 4 OCTOBER MID-SEMESTER BREAK 4 - 8 NOVEMBER STUDY VACATION 11 - 23 NOVEMBER EXAMINATION PERIOD 23 NOVEMBER SEMESTER ENDS
INTERNATIONAL STUDENTS 31 OCTOBER FOR MARCH ENTRY 30 APRIL FOR JULY ENTRY | LATE APPLICATIONS WILL BE ACCEPTED IF PLACES ARE AVAILABLE. |
WELCOME

Your decision to pursue postgraduate education is an investment in your skills, employment potential and career direction.

Our programs are flexibly designed to give both a broad understanding of the relevant fields of study and to enable your choice of elective program. This multidisciplinary teaching structure makes a postgraduate degree from Sydney a mark of quality around the world.

A UNIQUE LEARNING EXPERIENCE

The Faculty of Architecture, Design and Planning is home to a unique collegiate body of creative thinking. You will become a member of a passionate and ambitious body of students who reflect the very best of academic excellence. You will be taught by academic staff who are world leaders in their fields and be assisted by support staff building a global teaching and research institute. As you progress through your program of study, you will join a proud heritage of innovative thinking and practice both in academia and in industry.

CHOICE OF PROGRAM TO MEET YOUR NEEDS

You decide what you study and for how long. In most programs you can choose to undertake a full Masters degree, Graduate Diploma, Graduate Certificate or even individual units of study. Choose from Australia’s widest range of graduate units across a number of design fields. Complete core and optional units from within our Faculty, and draw on a range of elective from across the University’s 14 faculties.

These study options combine to give you unrivalled control over the content in your program and enables you to pursue professionally relevant breadth subjects alongside developing your specialisation in your key interests.

UNIQUE CAMPUS LIFE

Our Faculty is a unique size. It’s large enough to retain world-leading staff and teachers, yet small enough to develop a distinct, collegiate environment. You will have access to the Wilkinson Building around the clock, giving you unparalleled access to studios, computer laboratories and specialist workshops. This constant activity creates a vibrancy and creative energy that helps make our the most highly rated campus amongst Australian university students.

Our students work, study, create, learn and socialise well beyond their official class contact hours. A vibrant calendar of extra curricular events, including exhibition openings at the Faculty’s own Tin Sheds Gallery, public lectures and industry and alumni presentations ensure there is always something to do.

HISTORY OF INNOVATION

For 90 years, the Faculty has been leading innovative thinking and research in Architecture, Design and related fields. Home to Australia’s first architecture program and the first lectures in town planning (1919), the Faculty has complemented its traditional expertise with the new fields of virtual design environments. This has occurred with a background in technical development, home to the first Chair of Architectural Science in the world (1963) and the world’s first graduate program in architectural science (since 1983).

The Faculty has also been home to experimentation and the leading edge of design technologies. In 1960, the Centre of Design Computing and Cognition (now Design lab) was established. The first Design Computing degree was offered in 1978 and was joined in 2011 with Australia’s first program in Interaction Design and Electronic Arts. But this innovation builds on our historical expertise, offering Australia’s longest running programs in Facilities Management and Heritage Conservation.

This rich history informs the degree that you will study with us. You will benefit from this long tradition 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 by professional and academic communities throughout the world.

RECOGNISING TALENT AND EFFORT

The Faculty has a broad range of scholarships and prizes that encourage and recognise the very best of student work. We have a long tradition of partnerships with industry to provide a series of student awards, presented annually. These awards carry both prestige and can offer significant financial reward.

GRADUATE OPTIONS

We offer you a choice from Australia’s largest selection of graduate programs. Our Graduate Certificates, Graduate Diplomas, Masters degrees and PhDs allow you to choose a coursework or research program that meets your individual background and educational needs.

COURSEWORK

Our coursework programs are grouped into the following categories, each of which offers different levels of qualification and requires varying levels of commitment.

Master programs are ideal for graduates who need specialised knowledge and skills that will help them take the next step in their career or develop academic expertise. They typically require between one-and-a-half and two years of full-time study, or can be studied part-time over three or more years (local students only).

Most of our coursework master degrees involve a series of specialist units of study. You can use coursework master degrees that include a research component as a pathway to a research program.

Graduate diplomas are normally based on master programs but require less time commitment. They are an excellent option for students who cannot commit to a full master program, but still need a solid grounding in their chosen field. They typically require one year of full-time study.

Graduate certificates are intended for people who want to undertake a short academic training course to further their career, or to sample further study. They typically require six months of full-time study.

UPGRADE YOUR SKILLS OR CHANGE YOUR CAREER BY STUDYING SINGLE SUBJECTS

The Faculty offers 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 individuals with or without prior higher education in their field of interest, so long as participants meet assumed or prerequisite knowledge.

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

Once you are qualified for a profession you may need to complete a certain number of hours of continuing professional development to keep your skills up to date. Most units qualify for CPD points for AIA, PIA or SBSE/EA members.

By successfully completing the subject’s assignment tasks participants will be able to apply for credit towards a degree offered by the faculty.

Visit sydney.edu.au/architecture/cpd for a comprehensive list of units of study available for CPD and other non-award study.

gradu ate options
MASTER OF ARCHITECTURE

The Master of Architecture builds on the skills 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 the changing trends of the architecture industry.

ABOUT THE COURSE
The Master of Architecture engages you at a graduate level with research, design and vision through graduate level studio-based projects. Your works will be defined by the rigors of industry practice and address the social, environmental, practical and aesthetic requirements of working to a brief and within the context of architectural theory and philosophy. You will develop expertise in design, technology and theory across studios in Urban Architecture, Sustainable Architecture, Digital Architecture and the Graduation studio.

The graduation studio requires you to present a self-directed project. It is the culmination of your master program and draws on the historical, technological and theoretical aspects of architecture that you have examined throughout the program. Your graduation project will reflect these influences and investigate the critical issues facing contemporary architectural design.

You will be taught by some of the world leaders in architectural education and will have unrivalled access to the most extensive architectural facilities at an Australian university, including a dedicated Master of Architecture studio space, computer laboratories and the latest in digital, wood and metal fabrication workshops. You may also expand your perspectives on architectural practice by completing an international exchange in the first three semesters of the program with our prestigious exchange partners. After graduation, you will join distinguished alumni who have gone on to become major figures in the architecture world both in Australia and internationally and will benefit from the extensive alumni support offered by the Faculty.

WHO SHOULD TAKE THIS COURSE?
For students who have successfully completed the Bachelor of Design in Architecture (or an equivalent architecture program elsewhere), the Master of Architecture degree is a necessary step towards becoming a registered architect.

Graduates from related design programs, such as landscape architecture, interior architecture or architectural computing will need to complete a Bachelor of Design in Architecture before undertaking the Master of Architecture, however it is possible for students to receive up to two years credit, depending on the program of study undertaken and your academic results.

ADMISSION REQUIREMENTS
Students must have completed the Bachelor of Design in Architecture or such other equivalent degree as determined by the Faculty. Students who have completed the Bachelor of Design in Architecture at the University of Sydney must have completed the Master of Architecture prerequisite unit of study and have a Weighted Average Mark (WAM) of 65.

Students who have completed an equivalent degree to the Bachelor of Design in Architecture at another university, require a credit (65% or equivalent) average over their degree and are required to submit a portfolio of work.

Applicants without the above marks may submit a portfolio representative of their years of study and undertake either professional work experience, field study in relation to architecture, international exchange units or a postgraduate qualification in a related discipline in support of their application.

ADVISORY RECOMMENDATION
Students are recommended to complete at least 18 weeks of documented work experience prior to undertaking the final year of the Master of Architecture.

OUTCOMES OF THIS COURSE
The Master of Architecture program enables you to gain the necessary knowledge and skills to become a registered architect, noting the increasing complexity and diversity of the architect’s role.

More than this, the program equips you with a range of knowledge that produces graduates who provide the community with the highest quality of architecture, including to be able to think clearly and be able to make reasoned judgements.

Registration as an Architect
The combined program of Bachelor of Design in Architecture/Master of Architecture is recognised by the Australian Institute of Architects (AIA) and the Commonwealth Association of Architects.

Graduates of the Master of Architecture program are entitled to register as architects with the NSW Architects Registration Board, subject to obtaining approved practical experience and passing an architectural practice examination.

Program details

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<tr>
<th>Duration</th>
<th>2 years full time</th>
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<tbody>
<tr>
<td>Credit points required</td>
<td>96</td>
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<table>
<thead>
<tr>
<th>Core Units</th>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC4001 Urban Architecture Research Studio</td>
<td>12</td>
<td>1 2</td>
<td></td>
</tr>
<tr>
<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC4002 Sustainable Architecture Research Studio</td>
<td>12</td>
<td>1 2</td>
<td></td>
</tr>
<tr>
<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC4003 Digital Architecture Research Studio</td>
<td>12</td>
<td>1 2</td>
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<tr>
<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC5001 Graduation Studio</td>
<td>12</td>
<td>1 2</td>
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<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC4011 Advanced Technologies 1</td>
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<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC4012 Modern Architectural Theory</td>
<td>6</td>
<td>1</td>
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<tr>
<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC5011 Advanced Technologies 2</td>
<td>6</td>
<td>2</td>
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<tr>
<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC4012 Modern Architectural History</td>
<td>6</td>
<td>2</td>
<td></td>
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<tr>
<td>Students complete all of these units (78 credit points in total)</td>
<td>MARC5012 Contract Documentation</td>
<td>6</td>
<td>2</td>
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<table>
<thead>
<tr>
<th>Elective Units</th>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students complete 18 credit points in electives (usually 3 units of study)</td>
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</table>

<table>
<thead>
<tr>
<th>Elective units can be taken from the following fields within Architecture, Design and Planning or (with permission) from other faculties within the University:</th>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Design</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Architectural Science and Technologies</td>
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<tr>
<td>Art: Workshops</td>
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<tr>
<td>Digital Architecture</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Heritage Conservation</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Professional Practice</td>
<td></td>
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<tr>
<td>Social Studies</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Sustainable Architecture</td>
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<td></td>
<td></td>
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<tr>
<td>Urban Architecture</td>
<td></td>
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</tbody>
</table>

Entry requirements:
Applicants must hold the Bachelor of Design in Architecture or equivalent. Applicants with a credit average from Sydney or a distinction average in the final two years of study from other institutions do not need to provide a portfolio or undertake architectural experience. See page opposite for details.

Fees:
Per year (full time) Local: CSP HECs Band 2 ($8,385), International: $31,440 ($655 per credit point)

For full unit of study descriptions visit sydney.edu.au/future_students/course_search
HERITAGE CONSERVATION

The Heritage Conservation program develops your skills in the care and conservation of traditional and modern buildings, the latter a growing concern of contemporary conservation practice. This program equips students to develop specific skills in assessment, interpretation, management, formulation of policy and documentation of culturally significant places, including buildings, sites and cultural landscapes.

ABOUT THE COURSE

This course prepares you to understand the social relevance and importance of cultural continuity in the design of additions, alterations and adaptations to existing buildings. You will explore how and why the value of buildings is recognised in a social context and how this constrains and facilitates particular architectural approaches. You will be trained in the management of conservation issues and be exposed to the many regulatory and policy environments that impact on conservation work.

This program is broad-based and interdisciplinary. You will draw an expertise from other fields of study to complement your conservation practice. You will gain industry-relevant experience as you complete a graduate-internship option and will improve your knowledge of the conservation of buildings, their social functions and their materials.

WHO SHOULD TAKE THIS COURSE?

This program is a natural extension to your interest in the conservation of the built environment. You will find this course suitable to developing your specialist conservation skills, whether from an architectural, town 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 whether as conservation specialists in the related fields of architects, planners, archaeologists, historians or heritage consultants.

MODES OF STUDY

This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time). 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 (see page 5 for details).

ADMISSION REQUIREMENTS

Master degree applicants should hold a bachelor degree with a credit average. Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course.

AMANDA PURCELL

MASTER OF HERITAGE CONSERVATION

I have spent most of my adult life in Asia; two stays in Hong Kong totaling almost nine years and a two year stay in Japan. Both countries had very different strategies for dealing with heritage conservation and the treatment of old buildings.

I returned determined to do whatever I could to assist in preserving Australia’s cultural heritage, a young country with a unique story. I felt this degree would be a perfect way to gain a deeper understanding of a profession that seeks to preserve, conserve and protect buildings of historical significance.

I find the Heritage Conservation degree stimulating on so many levels. We have had the opportunity to visit a number of areas of historical interest within Sydney and have met a variety of people working in related fields who all have inspiring stories and experiences to share. The knowledge gained should complement my existing skills as an analyst and my project management experience.
# AUDIO AND ACOUSTICS

Sound is a constant throughout your life – involving, informing and profoundly shaping your experience of communication, entertainment and architectural spaces. This unique and challenging degree gives you a solid foundation in the design, measurement and theory of audio and acoustics. From this foundation you can choose to specialise in your area of interest including acoustics, audio systems and audio production.

## ABOUT THIS COURSE

Throughout your Design Science (Audio & 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, with access to world-class facilities.

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

## FACILITIES AND EQUIPMENT

The Faculty has extensive audio and acoustic facilities. Our students and researchers can utilise state of the art recording laboratories and software to complete their projects. Other equipment includes:

- **Sound recording studio**
- **Anechoic chamber and Reverberant room**
- **5.1 channel production studio**
- **Kits for field measurements**
- **The only Indoor Environmental Quality laboratory in the southern hemisphere.**

## 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 extend the breadth and level of their expertise. This includes audio engineers, architects, interior designers, sustainable designers and musicians.

## WHAT IS THE OUTCOME OF THIS COURSE?

You will graduate with a specialist education in audio and acoustics which could lead to a number of vocational opportunities. Graduates work in fields including audio production, sound design, audio systems design, acoustical consulting, and research and development of audio and acoustics products. Some graduates have used the degree as the foundation for a research degree in audio and acoustics.

## MODES OF STUDY

This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time). This program can also be taken as double stream Master degree in combination with another Design Science program or Facilities Management.

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 into a degree. Please refer to page 24 for information on research degrees, which can be undertaken in Audio and Acoustics.

## ADMISSION REQUIREMENTS

Master and Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course.

## Program details

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<thead>
<tr>
<th>Course name</th>
<th>Credit points</th>
<th>Duration (full time)</th>
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<tbody>
<tr>
<td>Master of Design Science (Audio &amp; Acoustics)</td>
<td>72</td>
<td>1.5 years</td>
</tr>
<tr>
<td>Master of Design Science (Audio &amp; Acoustics) with second stream</td>
<td>96</td>
<td>2 years</td>
</tr>
<tr>
<td>Graduate Diploma in Design Science (Audio &amp; Acoustics)</td>
<td>48</td>
<td>1 year</td>
</tr>
<tr>
<td>Graduate Certificate in Design Science (Audio &amp; Acoustics)</td>
<td>24</td>
<td>0.5 year</td>
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### Core Units

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<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester offered</th>
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</thead>
<tbody>
<tr>
<td>DESC9100</td>
<td>Audio Production</td>
<td>6</td>
<td>1</td>
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<tr>
<td>DESC9115</td>
<td>Digital Audio Systems</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>DESC9138</td>
<td>Architectural and Audio Acoustics</td>
<td>6</td>
<td>1</td>
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<tr>
<td>DESC9200</td>
<td>Indoor Environmental Quality (IEQ)</td>
<td>6</td>
<td>2 intensive</td>
</tr>
<tr>
<td>DESC9117</td>
<td>Sound Design for New Media</td>
<td>6</td>
<td>2</td>
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### Optional Units

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester offered</th>
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</thead>
<tbody>
<tr>
<td>DESC9133</td>
<td>Architectural Acoustics Practice</td>
<td>6</td>
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<tr>
<td>DESC9134</td>
<td>Audio and Acoustics Seminar</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>DESC9135</td>
<td>Digital Audio Production with ProTools</td>
<td>6</td>
<td>2</td>
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<tr>
<td>DESC9137</td>
<td>Spatial Audio</td>
<td>6</td>
<td>1</td>
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<tr>
<td>DESC9193</td>
<td>Graduate Internship</td>
<td>6</td>
<td>1, 2</td>
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### Elective Units

Elective units can be taken from any graduate program within the Faculty of Architecture, Design and Planning or (with permission) from other faculties within the University. Master degree students can complete up to 30 credit points as Electives. Grad dip students can complete up to 6.

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

Bachelor degree for Master and Graduate Diploma.
Bachelor degree or relevant experience for Graduate Certificate

**Entry requirements:**

**Fees** (per year full time) Local: $20,880 ($435 per credit point), International: $28,800 ($600 per credit point)

For full unit of study descriptions visit sydney.edu.au/future_students/course_search
BUILDING SERVICES

Building Services provides the core of high performance, sustainable buildings. This program enables you to design, develop and implement efficient building services that address the technical, aesthetic, sustainable and economic demands of a building. You will learn to manage teams of allied professionals to ensure best-practice building services form a central aspect of both the design and maintenance of buildings.

ABOUT THIS COURSE?
This course equips you with the skills, knowledge and expertise to understand and communicate the sciences 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.

This course bridges the design and operation considerations of a building, backed by a strong, research-led focus. You will engage with contemporary technologies and challenges as you use in-house facilities and attend site visits. As the only Building Services program in Australia administered by an architecture faculty, you are exposed to the unique requirements of the design professions and trained to provide technological solutions to their design challenges. This level of integration is unique in Building Services education.

WHO SHOULD TAKE THIS COURSE?
This course is intended for applicants with a technical background that seek to broaden their understanding of building services, sustainability, and facilities management.

MODES OF STUDY
This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time). Part time study is available for Australian citizens and permanent residents.

This program can also be taken as double stream Master degree in combination with another Design Science Program or Facilities Management. Individual units can also be taken as Continuing Professional Development short courses without enrolling into a degree.

Intensive units
Most units of study are taught in ‘block-mode’ intensives, meaning students come to classes over a number of days, rather than to weekly lectures.

ADMISSION REQUIREMENTS
Master and Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered by the University to demonstrate the knowledge and aptitude required to undertake the course.

JOHN FRAZER-MIFSUD
NATIONAL CHANNEL MANAGER - COMMERCIAL BUSINESS, DAIKIN
MASTER OF DESIGN SCIENCE (BUILDING SERVICES)
The intensives were just that; intensive. But they provided more opportunity to meet fellow students. The secret with block modes is to do the background reading and research. Don’t let yourself get left behind as there is no time to catch up. Even if you just do one or two units as non-award, they are a great opportunity to gain an understanding of core concepts.

In the end it is not just the technical and theoretical knowledge you gain from a program like this that is valuable, it’s the confidence that you can make a difference at a senior level, especially when you are coming from a trade background. Completing this program truly did have a massive influence on my professional life. You can’t ask for more than the architecture, engineering and science mix you get from a building services program. It is interesting, challenging and a lot of work, but ultimately a really rewarding experience.

Program details

<table>
<thead>
<tr>
<th>Course name</th>
<th>Credit points</th>
<th>Duration (full time)</th>
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<tbody>
<tr>
<td>Master of Design Science (Building Services)</td>
<td>72</td>
<td>1.5 years</td>
</tr>
<tr>
<td>Master of Design Science (Building Services) with second stream</td>
<td>96</td>
<td>2 years</td>
</tr>
<tr>
<td>Graduate Diploma in Design Science (Building Services)</td>
<td>48</td>
<td>1 year</td>
</tr>
<tr>
<td>Graduate Certificate in Design Science (Building Services)</td>
<td>24</td>
<td>0.5 year</td>
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Core Units

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<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester offered</th>
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<tr>
<td>DESC9200</td>
<td>Introduction to Architectural Science</td>
<td>6</td>
<td>1 intensive</td>
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<tr>
<td>DESC9201</td>
<td>Indoor Environmental Quality (IEQ)</td>
<td>6</td>
<td>2 intensive</td>
</tr>
<tr>
<td>DESC9111</td>
<td>Energy Management in Buildings</td>
<td>6</td>
<td>2 intensive</td>
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<td>DESC9140</td>
<td>Electrical Services</td>
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<td>1 intensive</td>
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<tr>
<td>DESC9165</td>
<td>Building Energy Analysis</td>
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<td>1 intensive</td>
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<td>DESC9067</td>
<td>Mechanical Services</td>
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<td>2 intensive</td>
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<td>DESC9192</td>
<td>Energy Code Compliance in Buildings</td>
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<td>2 intensive</td>
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Optional Units

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9147</td>
<td>Strategic Facility Management</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>DESC9153</td>
<td>Graduate Internship</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>DESC9166</td>
<td>Photometry and Colorimetry</td>
<td>6</td>
<td>1 intensive</td>
</tr>
<tr>
<td>DESC9104</td>
<td>Project Management</td>
<td>6</td>
<td>2 intensive</td>
</tr>
<tr>
<td>DESC9148</td>
<td>Operational Facility Management</td>
<td>6</td>
<td>2 intensive</td>
</tr>
<tr>
<td>DESC9159</td>
<td>Hydraulic Services</td>
<td>6</td>
<td>2 intensive</td>
</tr>
<tr>
<td>DESC9148</td>
<td>Sustainable Building Design Practice</td>
<td>6</td>
<td>2 intensive</td>
</tr>
<tr>
<td>DESC9164</td>
<td>Lighting Technologies</td>
<td>6</td>
<td>2013, 2 intensive</td>
</tr>
<tr>
<td>DESC9049</td>
<td>Financial Decision Making</td>
<td>6</td>
<td>1 intensive</td>
</tr>
</tbody>
</table>

Elective Units

Elective units can be taken from any graduate program within the Faculty of Architecture, Design and Planning or (with permission) from other faculties within the University. Masters students can complete up to 24 credit points as Electives. Grad dip students can complete up to 12.

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

Entry requirements:
- Bachelor degree for Master and Graduate Diploma
- Bachelor degree or relevant experience for Graduate Certificate

Fees
- (per year full time) Local: $18,480 ($385 per credit point), International: $25,920 ($540 per credit point)

For full unit of study descriptions visit sydney.edu.au/future_students/course_search
**ILLUMINATION DESIGN**

Our entire visual experience depends on light. It has a profound impact on both the function and aesthetics of architectural spaces. The Illumination Design program offers strong technical education in human visual perception, methods for quantifying light, lighting technologies and issues of sustainability. This field is enjoying rapid and exciting technological innovations and this program emphasizes the knowledge and critical thinking skills to enable students to adapt to - and even lead - future changes.

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

**WHAT IS THE OUTCOME OF THIS COURSE?**
Graduates of this course are working at lighting design firms, engineering companies, lighting equipment manufacturers, architectural and design practices, lighting distributors, and as private consultants. Upon successful completion of this masters coursework program, students are qualified for full membership in the Illuminating Engineering Society of Australia and New Zealand, subject to the required practical experience.

**MODES OF STUDY**
This program can be taken as a Graduate Certificate, Graduate Diploma, or Master degree. All three options require one and a half years to complete, but the Certificate and Diploma do not require a full course load. This program can also be taken as a double stream Master degree in combination with another Design Science Program or Facilities Management.

**VIVID FESTIVAL 2012 installations by illumination Students**

**INTENSIVE UNITS**
All Illumination Design units are taught in “block-mode” intensives. This means that students attend classes over a number of full days, rather than shorter, weekly lectures. Part-time study is available for Australian citizens and permanent residents. Individual subjects can be taken as Continuing Professional Development short courses without enrolling into a degree.

**ADMISSION REQUIREMENTS**
Masters and Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course.

This program runs on a 2-year cycle, the next cycle starts in 2013. Local students enrolling in the Design Science (Illumination Design) program can, with permission, enrol part time in 2014. There is no enrolment for international students in 2014 in the Design Science (Illumination Design) program. Both local and international students enrolling in the Design Science (Illumination Design Double Stream) can enrol full time in 2013 and 2014.

**Core Units**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9197</td>
<td>Lighting &amp; Vision</td>
<td>6</td>
<td>2013, 1 intensive</td>
</tr>
<tr>
<td>DESC9166</td>
<td>Photometry &amp; Colorimetry</td>
<td>6</td>
<td>2013, 1 intensive</td>
</tr>
<tr>
<td>DESC9196</td>
<td>Lighting Technologies</td>
<td>6</td>
<td>2013, 2 intensive</td>
</tr>
<tr>
<td>DESC9165</td>
<td>Architectural Lighting Design</td>
<td>12</td>
<td>2014, 1 intensive</td>
</tr>
<tr>
<td>DESC9200</td>
<td>Introduction to Architectural Science</td>
<td>6</td>
<td>1 intensive</td>
</tr>
<tr>
<td>DESC9201</td>
<td>Indoor Environmental Quality (IEQ)</td>
<td>6</td>
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**Optional Units**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9161</td>
<td>Entertainment Lighting</td>
<td>6</td>
<td>2013, 1 intensive</td>
</tr>
<tr>
<td>DESC9154</td>
<td>Lighting Design Software</td>
<td>6</td>
<td>2013, 2 intensive</td>
</tr>
<tr>
<td>DESC9169</td>
<td>Daylight in Buildings</td>
<td>6</td>
<td>1 late intensive</td>
</tr>
<tr>
<td>DESC9192</td>
<td>Practice of Lighting Design</td>
<td>6</td>
<td>2014, 1 intensive</td>
</tr>
<tr>
<td>DESC9040</td>
<td>Electrical Services</td>
<td>6</td>
<td>1 late intensive</td>
</tr>
<tr>
<td>IDEA9106</td>
<td>Design Thinking</td>
<td>6</td>
<td>1 intensive</td>
</tr>
<tr>
<td>DESC9192</td>
<td>Electrical Code Compliance in Buildings</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>DESC9111</td>
<td>Energy Management in Buildings</td>
<td>6</td>
<td>1, 2 (final semester)</td>
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<tr>
<td>DESC9193</td>
<td>Graduate Internship</td>
<td>6</td>
<td>1, 2</td>
</tr>
<tr>
<td>DESC9049</td>
<td>Financial Decision Making</td>
<td>6</td>
<td>1 late intensive</td>
</tr>
<tr>
<td>DESC9074</td>
<td>Project Management</td>
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<td>2 intensive</td>
</tr>
<tr>
<td>DESC9148</td>
<td>Sustainable Building Design Principles</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>DESC9149</td>
<td>Sustainable Building Design Practice</td>
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**Elective Units**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESC9197</td>
<td>Lighting &amp; Vision</td>
<td>6</td>
<td>2013, 1 intensive</td>
</tr>
<tr>
<td>DESC9166</td>
<td>Photometry &amp; Colorimetry</td>
<td>6</td>
<td>2013, 1 intensive</td>
</tr>
<tr>
<td>DESC9196</td>
<td>Lighting Technologies</td>
<td>6</td>
<td>2013, 2 intensive</td>
</tr>
<tr>
<td>DESC9165</td>
<td>Architectural Lighting Design</td>
<td>12</td>
<td>2014, 1 intensive</td>
</tr>
<tr>
<td>DESC9200</td>
<td>Introduction to Architectural Science</td>
<td>6</td>
<td>1 intensive</td>
</tr>
<tr>
<td>DESC9201</td>
<td>Indoor Environmental Quality (IEQ)</td>
<td>6</td>
<td>1 intensive</td>
</tr>
</tbody>
</table>

**Admission requirements**
- Masters and grad dip students complete at least 26 credit points of core units.
- Grad cert students complete 24 credit points.
- Masters students complete at least 18 credit points optional units.
- Grad diploma students complete at least 6.

**Program details**

<table>
<thead>
<tr>
<th>Course name</th>
<th>Credit points</th>
<th>Duration (full time)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Design Science (Illumination Design)</td>
<td>72</td>
<td>1.5 years</td>
</tr>
<tr>
<td>Master of Design Science (Illumination Design) with second stream</td>
<td>96</td>
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</tr>
<tr>
<td>Graduate Diploma in Design Science (Illumination Design)</td>
<td>48</td>
<td>1 year</td>
</tr>
<tr>
<td>Graduate Certificate in Design Science (Illumination Design)</td>
<td>24</td>
<td>0.5 year</td>
</tr>
</tbody>
</table>

**Program fees**
Local: $16,480 ($385 per credit point), International: $25,920 ($540 per credit point).

**Alex McCoy**

**Masters of Design Science (Illumination Design)**

I come from an entertainment lighting background, the majority of which is based on information handed down by informal on the job training which is fine but I wanted more formal, defined education in Illumination Design.

The convenience of the time table was extremely appealing as the lectures are run in intensive mode so you’re only required to attend four days of class per unit. As someone who works full time this allows for minimal interference with work compared to weekly night classes or other conventional arrangements.

The collective group of lecturers and guest speakers have an immense quantity of knowledge to impart and I hope to take as much of that away as possible.
SUSTAINABLE DESIGN

Sustainable design is an approach to creating buildings that meet the world’s need to reduce humanity’s impacts on ecological systems. Our integrated approach to Sustainable Design provides you with the knowledge to address sustainability considerations without compromising building functionality or profitability.

ABOUT THIS COURSE
This program supplements your professional skills with a sustainability consciousness. It is heavily integrated with units across the design sciences, particularly with building services and facilities management. This interrelated approach assists you to apply sustainability principles to a wide variety of design projects with a consciousness of the building’s functional requirements.

Core areas of study in this program include consideration of the ethical issues that underpin sustainability thinking, addressing resource efficiency and interrogating the character of humanity’s relationship to the natural environment.

WHO SHOULD TAKE THIS COURSE?
Sustainability principles are rapidly being incorporated into a diverse field of industries. You are taught through an integrated approach that addresses both ecological and human factors. As such, this program is tailored for design and related built-environment professionals who wish to improve their knowledge and skills in sustainable design.

WHAT IS THE OUTCOME OF THIS COURSE?
Our sustainable design program produces graduates who are to be:

- able to synthesise a wide range of approaches to building design and devise suitable ecological solutions.
- able to understand, lease and manage building services and work alongside facility managers to drive value.
- competent communicators that can convey the value and importance of sustainable approaches to allied professions, clients and regulators.
- sensitive to the requirements of building rating systems, such as Green Star or the National Built Environment Rating Scheme.
- able to demonstrate expertise in the aesthetic, environmental, social and economic dimensions of building design and procurement.

MODES OF STUDY
This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time).

This program can also be taken as double stream Master degree in combination with another Design Science Program or Facilities Management. Part time study is available for Australian citizens and permanent residents. Individual units may be taken as Continuing Professional Development short courses without enrolling into a degree.

ADMISSION REQUIREMENTS
Master and Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course.

<table>
<thead>
<tr>
<th>Program details</th>
<th>Course name</th>
<th>Credit points</th>
<th>Duration (full time)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Units</td>
<td>DESC9015</td>
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<tr>
<td></td>
<td>DESC9048</td>
<td>6</td>
<td>1</td>
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<tr>
<td></td>
<td>DESC9169</td>
<td>6</td>
<td>2</td>
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<tr>
<td></td>
<td>DESC9192</td>
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<td>Optional Units</td>
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<td>DESC9111</td>
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</tr>
<tr>
<td></td>
<td>DESC9192</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

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

KARLA VENEGAS

MASTER OF DESIGN SCIENCE (SUSTAINABLE DESIGN)
I come from a small family in Costa Rica, and I’ve always been a “greenie”! So, as I studied architecture, I started to discover this stream of “Sustainable Design” and was more than sure that it was the stream for me. So far this degree has taught me how much we can do as architects, designers and planners to create a more sustainable built environment. It’s amazing when you learn the huge impact the built environment (the one us designers are responsible for) can have on climate change.
It’s also been interesting to attend the talks here at Uni and throughout Sydney about sustainability, and learn how people around the world have dealt with the many problems that accompany incorporating new ways of doing things.
I’m eager to go back home to start putting into practice everything I’ve learned here. On one side I’m anxious to start working in design projects, but I’m also very excited about taking what I’ve seen and learned here and incorporating it into my community.
FACILITIES MANAGEMENT

Facilities Management blends the technical demands of building services with managerial responsibilities. Your Facilities Management studies are embedded within the widest array of building services and architectural science subjects, giving you an unrivalled strategic understanding of all aspects of building administration.

ABOUT THIS COURSE
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 can offer this integrated, empirical approach.

WHO SHOULD TAKE THIS COURSE?
The degree is aimed at those who are currently involved in the management of business premises, or who wish to make the transition into this growing industry.

WHAT IS THE OUTCOME OF THIS COURSE?
With requisite experience, graduates of this program can be accepted for corporate membership of the Australian Institute of Building as Chartered Building Professionals.

MODES OF STUDY
This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time). Part time study is available for Australian citizens and permanent residents.

Core Facilities Management units can be taken as a second stream within a Master of Design Science Program (2 years). Units are taught as either intensives, meaning that they are taught over four to six full days, or weekly evening classes. Individual units can also be taken as Continuing Professional Development short courses without enrolling into a degree stream within a Master of Design Science Program (2 years).

ADMISSION REQUIREMENTS
Masters and Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course.

KEVIN HAMMOND
MASTER OF FACILITIES MANAGEMENT
I have something of a varied background. Over the last decade I’ve divided my time between occupational health and safety and the development, sales and marketing of a computerised maintenance management package – rei-soft.
I’ve always been a very ‘hands on’ kind of person. While experience is valued, 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 the degree has definitely been the people. I have been in groups that have been great. 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.
INTERACTION DESIGN AND ELECTRONIC ARTS

The digital is now a part of our everyday environment. Digital processes, materials and tools demand a new approach to the design of products, systems and devices in today’s rapidly changing culture. This course enables you to discover innovative design strategies that explore interaction with our computationally enhanced world. The Interaction Design and Electronics Arts (IDEA) program explores the transformative potential offered by modern computing technologies for improving human experience.

ABOUT THIS COURSE

The course centres on two studio units, complemented by a series of workshops. This flexible combination enables you to engage in research-led studio-driven projects that engage with contemporary issues in society. You will hone your conceptual design abilities and technical skills within a framework of a creative, human-centred design process. The design focus of studio units varies every semester, ranging from small-scale wearable devices to large-scale interactive environments. Content keeps pace with the cutting-edge of technology, ensuring your skills are professionally relevant. You will have access to a broad array of modern technologies and will draw on the expertise of your studio instructors, world-leading researchers in this emergent field.

The Faculty draws on extensive industry and alumni contacts to offer you the opportunity of an industry internship and to build your professional network. These factors combine to position you as a well-connected creative industry specialist with expertise across the strategic, creative and technical domains.

WHO SHOULD TAKE THIS COURSE?

This degree is aimed at anyone who uses technology creatively whether that be for artistic, personal or commercial purposes. A basic knowledge of programming is assumed.

WHAT IS THE OUTCOME OF THIS COURSE?

Students will become proficient in the creative use of new technologies which they can then utilise in a practical way in a wide range of professional and artistic settings.

MODES OF STUDY

This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time). This program may only be studied full time, requiring around two days attendance in studios, labs and classes per week.

ADMISSION REQUIREMENTS

Master degree applicants should hold a bachelor degree with a credit average. Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course.

SILJE JOHANSEN

MASTER OF INTERACTION DESIGN AND ELECTRONIC ARTS (HONOURS)

I have a degree in information technology and I’ve been working for some years in the software industry as both a programmer and technical resource for sales. I wanted to find a degree where I could use my technical background at the same time as developing design skills and be creatively challenged. I’ve always had an artistic side to me and this degree seemed to be perfect.

I’ve really enjoyed playing and experimenting with such a wide variety of technologies. I’ve especially enjoyed working with sensor based interfaces – making things talk using electronics combined with software.

For anyone considering this degree I’d say no matter whether you come from a technical or a more creative background, as long as you have a passion for design, and like working with ideas and cutting edge technologies, this degree would be a good choice.

Entry requirements:

Bachelor degree with credit average for Master, Bachelor degree for Graduate Diploma, Bachelor degree or relevant experience for Graduate Certificate.

Fees (per year full time) Local: $20,880 ($435 per credit point), International: $28,800 ($600 per credit point)

For full unit of study descriptions visit sydney.edu.au/future_students/course_search
The Urban Design program has produced skilled graduates who work on all continents in design, management and teaching roles. This program will develop leadership and expertise in urban design and urbanism with a strong emphasis on sustainability, quantification and implementation.

WHAT IS THE OUTCOME OF THIS COURSE?

Over 200 students have graduated from the program to go on to occupy positions in both the private and public sector in cities across Asia, Europe, North and South America, Australia and New Zealand. Graduates are able to bridge the concerns of architecture and planning, think strategically, appreciate scale and qualities of place and communicate urban design principles to a wide range of audiences.

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.

MODES OF STUDY

This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time). Part time study is available for Australian citizens and permanent residents.

Students 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 that incorporates the key elements of both the Master of Urban Design and Master of Urban and Regional Planning.

ADMISSION REQUIREMENTS

Applicants for the Graduate Certificate are required to have a bachelor degree with a weighted average mark (WAM) of 65. Applicants for the Diploma and Masters degrees 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 your expertise to be assessed. If group or professional work, it is important that you indicate clearly your particular role in producing each item of submitted work.

Please refer to the program web page for detailed submission requirements and guidance:

Core Units

<table>
<thead>
<tr>
<th>Course name</th>
<th>Credit points</th>
<th>Semester offered</th>
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</thead>
<tbody>
<tr>
<td>Master of Urban Design</td>
<td>72</td>
<td>15 years</td>
</tr>
<tr>
<td>Master of Urban Design (Architectural &amp; Urban Design)</td>
<td>96</td>
<td>2 years</td>
</tr>
<tr>
<td>Master of Urban Design (Urban Design &amp; Planning)</td>
<td>96</td>
<td>2 years</td>
</tr>
<tr>
<td>Graduate Diploma in Urban Design</td>
<td>48</td>
<td>1 year</td>
</tr>
<tr>
<td>Graduate Certificate in Urban Design</td>
<td>24</td>
<td>0.5 year</td>
</tr>
</tbody>
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Additional Urban Design stream core

<table>
<thead>
<tr>
<th>Course name</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH9010 Introduction to Urban Design</td>
<td>6</td>
</tr>
<tr>
<td>ARCH9012 Sustainable Architecture Research Studio</td>
<td>12</td>
</tr>
<tr>
<td>MARC4002 Sustainable Architecture Research Studio</td>
<td>12</td>
</tr>
<tr>
<td>MARC4003 Digital Architecture Research Studio</td>
<td>12</td>
</tr>
<tr>
<td>MARC4004 Modern Architectural History</td>
<td>6</td>
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Additional Design & Planning stream core

<table>
<thead>
<tr>
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<th>Credit points</th>
</tr>
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<tbody>
<tr>
<td>PLAN9001 History and Theory of Planning &amp; Design</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9003 Planning Report</td>
<td>12</td>
</tr>
<tr>
<td>PLAN9016 Planning Principles, Systems &amp; Practice</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9034 Strategic Planning &amp; Design</td>
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<td>PLAN9045 Economics For Planners</td>
<td>6</td>
</tr>
<tr>
<td>PLAN9064 Land Use and Infrastructure Planning</td>
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<tr>
<td>PLAN9071 Housing &amp; Urban &amp; Regional Development</td>
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Elective Units

<table>
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<tr>
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<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDEA9010 Design Thinking</td>
<td>6</td>
</tr>
</tbody>
</table>

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

The Urban and Regional Planning program teaches you the fundamentals of responsible urban and regional planning and develops your specialised knowledge and skills in environmental design, planning for better structured cities, and sustainable management of towns and cities.

ABOUT THIS COURSE?
Urban and regional planners prepare plans and policies at a range of levels including national, state, regional, local, precinct and site level.
A key difference from other courses, is that this program will teach you the professional communication skills, reasoning and analytical processes to make valuable contributions to the technical and regulatory aspects of urban and regional planning. Your learning is based on real world planning case studies combined with academic rigor.
A specialisation is available by selecting from the range of options offered in the Heritage Conservation stream.

WHO SHOULD TAKE THIS COURSE?
Professionals wishing to develop their skills in urban and regional planning would be well suited to this course.

WHAT IS THE OUTCOME OF THIS COURSE?
The program is accredited by the Planning Institute of Australia (PIA). Master degree graduates are eligible, subject to professional experience requirements, for corporate membership of PIA.

MODES OF STUDY
This program can be taken as a Graduate Certificate (six months full time), Graduate Diploma (one year full time) or Master degree (one and a half years full time). 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 into a degree.

ADMISSION REQUIREMENTS
Master degree applicants should hold a bachelor degree with a credit average. Graduate Diploma applicants should hold a bachelor degree. Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course.

IAN RATLEDGE
MASTER OF URBAN AND REGIONAL PLANNING
Having lived the majority of my life in Toronto and spending my summers in the Northern regions of Ontario, I have always been interested in the relationship we have with our environment, especially on issues pertaining to sustainable development and environmental design.
One of my goals from this degree was to make connections with people in both Australia and around the world. I now have a solid enough foundation in planning to make reasonable and objective decisions regarding community issues.
One of the aspects of the degree I have enjoyed most has been the ability to tailor the degree to best suit my personal interests. Studying at The University of Sydney has allowed me to focus on specific areas of urban development and expand my knowledge in this field.

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

**Core Units**
- PLAN9063 Strategic Planning and Design
- PLAN9068 History and Theory of Planning and Design
- PLAN9069 Economics For Planners
- PLAN9062 Planning Law
- PLAN9064 Land Use and Infrastructure Planning
- PLAN9061 Planning Principles, Systems & Practice
- PLAN9018 Planning Report
- PLAN9010 Planning Dissertation 1
- PLAN9011 Planning Dissertation 2

**Elective Units**
- PLAN9049 International Urban Development Planning
- PLAN9071 Housing & Urban & Regional Development
- ARCH9063 Urban Morphology
- ARCH9060 Urban Ecology, Design & Planning
- ARCH9100 Introduction to Urban Design
- PLAN9073 GIS Based Planning Policy and Analysis
- PLAN9074 Public & Community Finance for Planners

**Heritage Conservation Stream**
- ARCH9028 Conservation Methods and Practices
- ARCH9074 History and Theory of Conservation
- ARCH9075 New Design in Old Settings
- ARCH9082 Conservation of Traditional Materials
- ARCH9083 Conservation of Modern Materials

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

**Entry requirements:** Bachelor degree with credit average for Master, Bachelor degree for Graduate Diploma, Bachelor degree or relevant experience for Graduate Certificate.

**Fees** (per year full time): Local: $16,480 ($395 per credit point); International: $25,920 ($540 per credit point)
For full unit of study descriptions visit sydney.edu.au/future_students/course_search
RESEARCH

The University of Sydney is committed to high quality research and research training. We invite you to join us as we proudly continue Australia’s longest tradition of innovation in economic, social and cultural importance. As Australia’s first university, we remain committed to international standards and strive to set the benchmark against which research is measured globally.

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

The Faculty offers the opportunity to pursue research degrees, both MPhil and PhD in four disciplines:
- Architecture
- Architectural and Design Science
- Design Lab
- Urban and Regional Planning and Policy

You may elect to study in any of these fields, or to pursue interdisciplinary studies in a combination of fields within the Faculty or between the faculty and elsewhere in the University. The University and the Faculty have formal links - including exchange agreements and memoranda of understanding - with institutions throughout Asia, Europe, Scandinavia and North America. These translate into research opportunities for students as well as staff.

We support our students with a wide range of resources, including extensively equipped laboratories and comprehensive workshop facilities.

The Faculty is building critical mass in research areas of excellence and is implementing new support measures to utilise best this growth. The faculty offers two research degrees; The Doctor of Philosophy (PhD) and the Doctor of Philosophy (Architecture). The research programs involve study of research methodology and in-depth study by research in a specialised area. A research student undertakes a major thesis supervised by a staff member.

Please see sydney.edu.au/architecture/research/ for more information.

MASTER OF PHILOSOPHY (ARCHITECTURE)/(MPhilArch)

The research masters program allows a candidate to undertake research and advanced specialisation in any of the areas of scholarship and research undertaken by the Faculty. Entry requirements for the MPhil(Arch) include a bachelor degree in a relevant discipline. The program is generally completed in four semesters full time (2 years) or 8 semesters part-time (4 years). The final thesis for the Master of Philosophy (Architecture) is expected to be in the range of 50,000 – 60,000 words.

DOCTOR OF PHILOSOPHY (PhD)

This research degree is awarded for a thesis considered to be a substantial, original contribution to the discipline concerned. Entry requirements include a masters degree with a research component or a bachelor degree with first or second class honours. Alternatively, it is possible to upgrade from the MPhil, providing satisfactory progress at PhD level has been made.

The PhD is normally completed within eight semesters full time (4 years). The final thesis for the Doctor of Philosophy is expected to be in the range of 50,000 – 80,000 words. In 2013, a new studio-driven PhD program will be offered. This will involve a substantial creative work for exhibition and a thesis in the range of 30,000-40,000 words.

Please see sydney.edu.au/architecture/research/research admissions details.

ENTRY REQUIREMENTS

Please see pg 27 for Research admissions details.

CORE UNITS FOR MPHIL AND PHD

Modes of Inquiry: Research & Scholarship
ARCP9001 (6 credit points)

ARCHITECTURE

The Faculty is recognised for excellence in the field of architectural history, theory and creative research. The key research focus of the Architecture discipline group is the praxis of the built environment: the processes by which urban and architectural theory, history and design are enacted or practiced. The strategic usage of the word praxis emphasises the need for a constant relay between conceptual engagements with the built environment and that which is learned from the practices of architecture and urbanism in order to critically frame knowledge.

The research expertise of the Architecture group operates across: architectural computing and digital media; architectural history and theory; heritage conservation; and housing.

ARCHITECTURAL AND DESIGN SCIENCE

Architecture Science is the study of the physical aspects of architecture and design. The area encompasses studies in the physical and design aspects of thermal performance, climate effects and building response; daylighting and electrical lighting; acoustics including noise, room acoustics and audio systems.

Broader research themes encompassing these aspects include: audio and acoustic quality, the sustainability of buildings, appropriate structural systems and construction, innovative building services and effective management of buildings and facilities. The area also includes studies into how people react to environments and the functional aspects of buildings in use.

There are a number of leading researchers in architectural science within the Faculty who provide expert supervision of research leading to higher degrees. It is also possible to undertake some advanced coursework with your research studies.

DESIGN LAB

The aim of the Design Lab is to foster design as a means of knowledge production in its own right. Design is a study of the world the way it could be through the creation and interrogation of the “designed” world. This sets design apart from the natural sciences, which studies the world as it is, the humanities, which studies the human condition, and the arts, which explores the possibilities of expression.

We undertake these projects through multiple intellectual channels, having the scientific gaze with its systems of empiricism sit comfortably astride the artistic approach with its attention toward conceptual possibilities. The projects themselves span politically charged and conceptually difficult terrains, dealing with questions of the biological innateness of design and its cultural and evolutionary pathways, the possibilities of experimental media at the juncture of art, society and technology, and speculative research into the inhabitation of the interface between humans and pervasive computing services.

URBAN AND REGIONAL PLANNING AND POLICY

Urban and regional planning research was established in the Faculty since the late 1940s. Research areas include metropolitan planning, housing studies, regional policy, GIS and many other fields of policy and development. The recently established urban design program provides additional opportunities to conduct research into the design dimensions of urban form.

Aside from providing individual study areas for research, the Faculty is home to the Planning Research Centre, an independent university foundation that undertakes research and connects the discipline and Faculty to government and industry. Many of the research students in urban and regional planning are attached to the Planning Research Centre.
WHO IS ELIGIBLE TO APPLY?
Master degree and Graduate Diploma applicants should hold a bachelor degree. Master degree applicants for Architecture, Heritage Conservation, Interaction Design and Electronic Arts, and Urban and Regional Planning must hold a bachelor degree with a credit average.
Graduate Certificate applicants should hold a bachelor degree or possess experience which is considered to demonstrate the knowledge and aptitude required to undertake the course. Please see the individual course listing in this brochure for full admission details.

OFFER OF ADMISSION
The result of your application will be a formal response sent from the Faculty. You will also receive information on fees and payment orientation material. If, for any reason, you are unable to accept your offer, please notify the Faculty immediately.

LOCAL STUDENTS
If you are an Australian citizen, a permanent resident of Australia or a citizen of New Zealand, you will be considered a local student. You can apply online at sydney.edu.au/future_students/domestic_postgraduate_coursework/admissions/

Student Administration Centre
Wilkinson Building (G04)
University of Sydney NSW 2006 Australia
T: +61 2 936 6104 F: +61 2 936 9532
E: admissions@arch.usyd.edu.au

Application Deadlines
30 November (March semester)
31 May (July semester)
Applications must be accompanied by a copy of your academic transcripts listing course results certified at the recognised institution where the medium of instruction was not English, you must provide evidence of proficiency in the English language. Applicants whose first language is not English may also be asked to provide evidence of English proficiency. The Faculty accepts the following tests:

IELTS: 7.0 overall (min 6.0 each component)
TOEFL: 600+ (TWE 4.5+) CBT 250+ (essay 4.5+) IBT 100+

INTERNATIONAL STUDENTS
If you are not an Australian citizen, a permanent resident, or a citizen of New Zealand, you will be considered an international student and accepted into the University only on a full-fee basis.

International Student Enquiries
Please contact: io.info@sydney.edu.au

Application Deadlines
– 31 October (March semester)
– 30 April (July semester)
Application Processing Fee: AUD$100
Applications must be lodged to the International Office. For more details, see: www.usyd.edu.au/internationaloffice/

English language requirements
If English is not your first language, you must demonstrate an English language proficiency before admission can be confirmed. The Faculty accepts the following tests:

IELTS: 7.0 overall (min 6.0 each component)
TOEFL: 600+ (TWE 4.5+) CBT 250+ (essay 4.5+) IBT 100+

For more information on postgraduate English language requirements and exemptions see: sydney.edu.au/architecture/graduate_admissions/entry_requirements/english_language_requirements.shtml

FEES
Please see the following web page for a full list of fees: sydney.edu.au/architecture/programs_of_study/fees.shtml

SCHOLARSHIPS
For more information see our website sydney.edu.au/architecture/programs_of_study/scholarships.shtml

TO VIEW TIMETABLES PLEASE SEE: sydney.edu.au/architecture/CS/postgrad/timetables.shtml

TO APPLY FOR A RESEARCH DEGREE

1. FIND A SUPERVISOR
Go to Research Supervisor Connect which matches your research interests to available research opportunities and supervisors see: sydney.edu.au/research/ opportunities.

2. STATEMENT OF RESEARCH INTEREST
A statement of research interest should be developed in conjunction with one of the academic staff of the Faculty whom you wish to be your research supervisor. The goal of this statement is to determine whether your research interests are aligned with the research interests of the Faculty, and to help ascertain your background experience in research.

A list of all academic staff, their areas of research and research publications can be found at: sydney.edu.au/architecture/research. The statement of research interest should be 1,500-2000 words (preferably in conjunction with an academic staff member), and should include your proposed topic area, some indication of what research has already been done in that area, what specific research questions you might propose to pursue, and a brief idea of how you might propose to research them. 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 go to: sydney.edu.au/architecture/research/research_apply.shtml

3. SUBMIT THE UNIVERSITY APPLICATION FORM
To download forms please go to: sydney.edu.au/research_research_apply.shtml

Local Application Form Closing Dates:
– 31 May: for entry into second semester the same calendar year
– 30 November: for entry into first semester for the following calendar year

International Application Form Closing Dates:
– 30 April: for entry into second semester the following calendar year
– 31 October: for entry into first semester for the following calendar year

RESEARCH ADMISSIONS
MORE INFORMATION

FEES AND FEE HELP

Fees listed on each coursework program page are per one nominal full time year. Fees are charged per Credit Point so the number of Credit Points you undertake per year will determine your actual yearly fees.

**Fees per Credit Point (for 2012)**

<table>
<thead>
<tr>
<th>Program</th>
<th>Local students</th>
<th>International students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture</td>
<td>CSP*</td>
<td>$615</td>
</tr>
<tr>
<td>Interaction Design and Electronic Arts, Design Science</td>
<td>$435</td>
<td>$600</td>
</tr>
<tr>
<td>(Audio &amp; Acoustics)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All other graduate programs</td>
<td>$385</td>
<td>$540</td>
</tr>
</tbody>
</table>

*CSP* indicates Commonwealth Supported Places. The indicative student contribution for a Commonwealth Supported Place is $8050 per full time year.

To calculate the total cost of your course at the current year’s rate, multiply the credit points required for completion by the cost per credit point above. To calculate the cost of a unit of study, multiply the unit of study credit point value by the cost per credit point above. The University’s tuition fees, domestic and international, are subject to annual review and will change.

**FEE HELP**

Australian citizens can study now and pay later with the federal government’s FEE-HELP scheme. Our postgraduate coursework programs, with the exception of the Master of Architecture, are considered ‘full-fee paying courses’. Essentially you can choose to pay up front for the units you decide to study or defer payments through FEE-HELP, paying later through the taxation system.

Comprehensive information on the scheme is available from the Going to Uni website at goingtouni.gov.au/Main/FeesLoansAndScholarships/Postgraduate/Default

PRIZES AND SCHOLARSHIPS

Students studying with the Faculty of Architecture, Design and Planning can benefit from a large number of scholarships and prizes. Many of these are generously funded by industry partners and alumni, others are government or university-funded. All carry a mix of financial reward and prestige, singling the recipient out as one of the very brightest thinkers in their fields.

**Scholarships**

In addition to government-funded Australian Postgraduate Award scholarships for research students, there are a number of scholarships for students undertaking research in architecture and related fields available for local and international students.

There are also scholarships for students commencing coursework studies in the following programs:

- Architecture
- Illumination Design
- Urban and Regional Planning

**Prizes**

There are over 40 different prizes available to outstanding students across each of our postgraduate programs, valued up to $1800. Prizes are awarded each May for work undertaken the previous year. Students may be eligible to receive more than one prize.

For full scholarships and prizes information visit sydney.edu.au/architecture/programs_of_study/scholarships

MORE INFORMATION

For further information about your graduate options contact the Communications and Engagement Office at the Faculty of Architecture, Design and Planning:

**T:** +61 2 9351 3248
**E:** arch.sac@sydney.edu.au
**W:** sydney.edu.au/architecture

The information contained in this brochure is correct at the time of publication (September 2012) but subject to change. For updated information always consult the Faculty of Architecture, Design and Planning’s Handbook, available online at sydney.edu.au/architecture/CS/handbook