

BUILDING SERVICES

Building Services is a degree aimed at giving a broad knowledge of all areas of this discipline. This includes all of the environmental systems that make a building usable such as ventilation, air conditioning, heating and lighting. It also embraces the supply and distribution of water, electricity and communications; the provision of fire detection and fighting equipment as well as lifts and escalators.

ABOUT THIS COURSE?

The Building Services program aims to accelerate the acquisition of knowledge and skills for professionals currently employed in the building services industry.

It also provides transitional training for Electrical and Mechanical Engineers who are employed in the building construction industry or to provide vocational training for those intending to transfer into this industry.

WHO SHOULD TAKE THIS COURSE?

This course is intended for civil or mechanical engineers who seek to move into but are unfamiliar with the building industry, and for people working in the building services trades wishing to up-skill and obtain a higher qualification.

WHAT IS THE OUTCOME OF THIS COURSE?

Australian Institute of Building (AIB) has accepted graduates of the Masters program for corporate membership as Chartered Building Professionals if possessing the requisite professional experience. The Australian Institute of Building NSW Chapter Medal in Building is awarded annually to the outstanding graduate from the Masters program.

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 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. See the website for unit descriptions and timetable information.

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.



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

Core Units	Unit Code	Unit Name	Credit Points	Semester offered
Masters students complete at least 36 credit points of core units.	DESC9014	Building Construction Technology	6	1 intensive
	DESC9151	Introduction to Building Services	6	1 intensive
Grad dip at least 24 Grad cert at least 18	DESC9040	Electrical Services	6	1 late intensive
	DESC9049	Financial Decision Making	6	1 late intensive
	DESC9067	Mechanical Services	6	2 late intensive
	DESC9192	Energy Code Compliance in Buildings	6	2 late intensive
	DESC9015	Building Energy Analysis	6	2 intensive
	DESC9111	Energy Management in Buildings (Masters only)	6	1, 2 (in students' final semester)

Optional Units	Unit Code	Unit Name	Credit Points	Semester offered
Masters and grad dip students complete at least 12 credit points of optional units*	DESC9047	Strategic Facility Management	6	1
	DESC9146	Climate, Comfort and Sustainable Design	6	2
Grad cert complete up to 6	DESC9166	Photo & Colorimetric Concepts & Mensurtn	6	2013, 1 intensive
	DESC9167	Vision and Visual Perception	6	2013, 1 intensive
	DESC9074	Project Management	6	2 intensive
	DESC9048	Operational Facility Management	6	2 intensive
	DESC9050	Fire Protection Services	6	2 intensive
	DESC9059	Hydraulic Services	6	2 late intensive
	DESC9148	Sustainable Building Design Practice	6	2 intensive
	DESC9164	Light Sources and Luminaires	6	2013, 2 intensive
DESC9168	The Visual Field and Human Factors	6	2013, 2 intensive	

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: \$17,520 (\$365 per credit point), International: \$24,960 (\$520 per credit point)

COURSEWORK ADMISSIONS

WHO IS ELIGIBLE TO APPLY?

Masters and Graduate Diploma applicants should hold a bachelor degree. Masters 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 by the Faculty. You will also receive information on fee payments and orientation material. If, for any reason, you are unable to take up an 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/

Local Student Enquiries

Student Administration Centre
Wilkinson Building (G04)
University of Sydney NSW 2006 Australia
T: +61 2 9036 6104 F: +61 2 9036 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 institute where you studied and the date of conferring of your qualifications. Applicants are required to show original evidence or certified copy (by a Justice of the Peace) of their Australian citizenship, New Zealand citizenship or permanent residency status.

English Language Requirements

If your qualifications were from a university or other 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/future_students/international_postgraduate_coursework/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
sydney.edu.au/ro/

TIMETABLES

To view timetables please see: sydney.edu.au/architecture/CS/postgrad/timetables.shtml