GRADUATE PROGRAMS

- Architecture
- Architectural Engineering
- Construction Management
- Landscape Architecture
- Property
- Property Valuation
- Urban and Cultural Heritage
- Urban Design
- Urban Planning
- PhD & Masters by Research

msd.unimelb.edu.au
At the Melbourne School of Design we teach across the built environment fields, making it unique among Australian universities, and part of a select group worldwide. This mix of expertise enables us to prepare our graduates to design solutions for an unpredictable future. Our staff and students are busy visualising exciting and relevant ways of programming our cities. Melbourne, ranked as the world’s most liveable city, is a fantastic place in which to develop your knowledge. Researchers and industry practitioners teach our programs and are leaders in public conversations about our cities and regions, shaping policy development and transforming Australian practice. At MSD you will access a studio curriculum uncommon in its range of potential projects. We look forward to seeing you here.

GLOBAL REPUTATION FOR EXCELLENCE

The University of Melbourne ranked no.32 in the world
The Times Higher Education World University Rankings 2018.

The University of Melbourne ranked no.1 in Australia and 40th globally
In the 2016 Academic Ranking of World Universities (ARWU).

PROFESSIONAL RELEVANCE

The University of Melbourne ranked no.11 globally for graduate employability.

ALUMNI NETWORK

Access a network of over 14,000 alumni from more than 70 countries.
Includes ABP, MSD and Bachelor of Environments alumni.

ARCHITECTURE & BUILT ENVIRONMENT

The University of Melbourne ranked no.21 in the world
In the 2018 QS World University Rankings by Subject.

AWARD WINNING FACILITIES

The Melbourne School of Design has won 15 national and international design awards. It was named one of the 13 most beautiful schools in the world by Business Insider (2015).

Our commitment to sustainability achieved a 6 Star Green Star Education Design Rating for our building.
DESIGN YOUR FUTURE AT THE MELBOURNE SCHOOL OF DESIGN

MSD GRADUATES ARE RECOGNISED AS LEADING, ADAPTABLE PROFESSIONALS IN THEIR FIELDS, KNOWLEDGEABLE ACROSS A RANGE OF DISCIPLINES WITH AN EXCELLENT ACADEMIC GROUNDING AND STRONG PRACTICAL SKILLS.

01 GAIN AN ACCREDITED DEGREE

The MSD’s professional-entry Masters programs are accredited by relevant industry associations, providing our graduates with industry-approved knowledge and skills into clear career pathways.

Accredited programs include:
» Master of Architecture
» Master of Construction Management
» Master of Landscape Architecture
» Master of Property
» Master of Urban Planning
» Master of Urban Design.

Specific detail on accreditation is available in the individual program listings.

02 FURTHER YOUR CAREER

The MSD suite also includes industry-oriented programs open to graduates passionate about the built environment. These include:
» Master of Architectural Engineering
» Master of Urban and Cultural Heritage
» Graduate Diploma in Built Environments
» Graduate Diploma in Property Valuation.

Accredited programs include:
» Master of Architecture
» Master of Construction Management
» Master of Landscape Architecture
» Master of Property

03 CAPITALISE ON RESEARCH LED TEACHING

MSD’s academic and industry-linked research is absorbed into our teaching, bringing innovative thinking and design solutions into the MSD learning experience. For built environment research students, the MSD also offers a supportive and academically stimulating culture.

04 PATHWAY TO A NEW CAREER

We offer three-year Masters programs designed specifically for professionals or students who want to change career to an area in the built environment. These programs enable prospective Masters level students who have not completed an undergraduate degree in these areas to still gain an accredited qualification:
» Architecture
» Construction Management
» Landscape Architecture
» Property.

Visit study.msd.unimelb.edu.au/programs for course and application details

Visit handbook.unimelb.edu.au for subject and course structure details
UNIQUELY MSD

THE MELBOURNE SCHOOL OF DESIGN (MSD) IS THE GRADUATE SCHOOL OF THE FACULTY OF ARCHITECTURE, BUILDING AND PLANNING AT THE UNIVERSITY OF MELBOURNE. WE ARE A VIBRANT AND CLOSE-KNIT COMMUNITY OF STAFF AND STUDENTS WHOSE INTEREST AND EXPERTISE FOCUSES ON DESIGN AND THE BUILT ENVIRONMENT.
STUDIO TEACHING

MSD has one of the largest studio teaching programs in Australia, offering this small group, collaborative teaching model across all our disciplines – not just design.

Studio classes draw on the current projects of our research staff, while also involving architects, designers, engineers, policy makers and urban planners from almost 50 companies, including HASSELL, NMBW Architecture, John Wardle Architects, Arup, City of Melbourne, Aurecon and the Victorian State Government. The collaborative nature of studio classes mirrors ways of working out in industry. Our studio program is led by Professor Donald Bates, LAB Architecture, designer of Melbourne’s iconic Federation Square. Our popular travelling studios take classes to outback Australia, Europe, South America, India and Asia for intensive and life-changing learning experiences.

MAKERSPACES

Our busy makerspaces are state-of-the-art interdisciplinary facilities exclusively for MSD students.

The makerspaces house technology that creates a hands-on and inspiring environment, encouraging experimentation with machinery, materials and processes of making. They are unique in Melbourne and are some of the best-equipped teaching workshops in Australia. These include our NExT Lab, Robotics Lab, Machine Workshop, FabLab and Print/Media Hub. Our makerspaces are used by students, academics and researchers as well as our industry partners, and offer 3D printing, laser cutting, advanced robot-driven digital fabrication, VR and AR design tutorials, and more.

MSDX

Our twice-yearly student show, MSDx, transforms our entire award-winning building into a multi-floor gallery exhibiting almost 1000 pieces of studio work by our talented students.

MSDx showcases the imagination and new design narratives of our students. This annual exhibition is an opportunity to celebrate the advanced and creative student work from across the Melbourne School of Design, in one of the largest student exhibitions in the city of Melbourne. Our opening night sees approximately 2000 students, alumni and employers view the work on show.

PUBLIC EVENTS PROGRAM

We welcome the world’s leading design and built environment experts to MSD each year to deliver an exciting series of exhibitions and talks, including up-and-coming architects, Pritzker Prize winners and sustainability innovators.

Our gallery spaces are programmed year-round and our student exhibitions are featured in high-profile cultural events such as Melbourne Design Week. Many of our international visitors give smaller workshops and talks specifically for our students in addition to their sell-out public events. The rich cultural life of Melbourne and MSD extends our students learning beyond our world-recognized curriculum.

Photograph: Dan Hocking
MASTER OF ARCHITECTURE

THE MASTER OF ARCHITECTURE EQUIPS GRADUATES WITH THE SKILLS TO ADVANCE BUILT ENVIRONMENT DESIGN IN PROFESSIONAL PRACTICE

The Master of Architecture aims to provide you with:

» Highly developed skills to manage an architectural practice and lead or work within cross-discipline project teams

» A sustainable outlook with the ability to use new materials and technologies to create environmentally sustainable buildings

» Grounding in architectural history, theory and technology that leads to the creation of innovative architecture.

Students undertake a sequence of intensive design studios culminating in a research thesis. In the studios, students cover architectural design in the context of the creative invention of architectural futures, integrating aesthetic, technological, programmatic, environmental and social issues in the production of buildings.

Students can take elective subjects in areas such as digital architecture, history and conservation, production, practice and sustainability, and society and culture.

Master of Architecture sample course plan

ENTRY POINT  3-Year Master of Architecture (entry with a degree in any discipline)

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ENTRY POINT  2-year Master of Architecture (entry with Architecture major)

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<th>Master of Architecture Studio C</th>
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<th>Architectural Practice</th>
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<tbody>
<tr>
<td>Master of Architecture Studio D</td>
<td>Twenty-first Century Architecture</td>
<td>Architecture Elective</td>
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<tr>
<td>Master of Architecture Studio E</td>
<td>Architecture Elective</td>
<td>Multidisciplinary Elective</td>
</tr>
<tr>
<td>Design Thesis</td>
<td>Architecture Elective</td>
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</tbody>
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How to apply: See page 26

Accredited by:
Australian Institute of Architects (AIA)
Architects Registration Board of Victoria (ARBV)
Commonwealth Association of Architects (CAA)


Image: Inflection Journal, Vol.4

View all subjects in the University Handbook: handbook.unimelb.edu.au/courses/mc-arch

Image: Inflection Journal, Vol.4
inflectionjournal.com
"At the MSD, myself and my peers are granted many opportunities to expand our roles beyond that of typical students. We are encouraged to engage with and actively participate in local and global design communities. In fact, teachers and students commonly collaborate with each other in practice and in research. As an editor of the MSD student-run journal, Inflection, I’m lucky to be given the opportunity to solicit authors and interview international experts in design and its related fields. Additionally, the MSD hosts numerous events, exhibitions and events throughout the year, which allow us students contact with a global design network and the opportunity to better enrich our understanding and communication of design."

LUCIA AMIES
Master of Architecture student
Editor, Inflection Journal

Graduates from the Master of Architecture at MSD have gone on to work at many firms in Australia and across the world including:

- Kennedy Nolan Architects
- John Wardle Architects Pty Ltd
- RAMSA, USA
- Master Builders Association of Victoria
- Mark Pinney Associates, London
- Jackson Architecture
- Denton Corker Marshall Pty Ltd
- Hassell
- BvN Architecture
- Harvard University
- Architecture Media Pty Ltd
- Land Transport Authority, Singapore
- Cushman Wakefield, Shanghai.
Masters of Architectural Engineering

Architectural Engineering graduates contribute to the emerging market need for professionals whose knowledge spans both disciplines.

As a Master of Architectural Engineering student you will gain an internationally-recognised qualification in the architectural, engineering and structural design of buildings.

The degree is highly transferable across industries in different countries. You will be taught by a world-class group of experts drawn from the Melbourne School of Engineering and the Faculty of Architecture, Building and Planning. Linkages between the study programs will be explored via a dedicated architectural engineering capstone/thesis subject.

The Master of Architectural Engineering aims to provide:

» Advanced knowledge of the principals of engineering underpinning the provision of infrastructure and of the principals of design based on architectural history, theory and contemporary practice

» Knowledge of current practice contexts, including environmental, technological, regulatory and project-delivery systems

» The technical and creative skills to design and produce outputs that demonstrate an appreciation of economic, environmental issues, social and cultural issues as well as building systems and materials

» The ability to think strategically at different environmental and urban scales.

Master of Architectural Engineering sample course plan – 450 points (completed in 3.5 years with 100 points credit)

**FIRST YEAR pathway for engineering graduates**

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Study mode:
On-campus only – Parkville

3.5-year stream:
3.5 years full-time / 7 years part-time

Intake:
Semester 1 only

Academic background:
You have completed an undergraduate degree in architecture or engineering.

Prerequisites:
For Engineering students: One Architectural History subject and it is recommended that in order to produce a folio, students undertake a second year Architecture design studio subject.

For Architecture students: Mathematics equivalent to Calculus 2 + Linear Algebra + two first year Science subjects.

How to apply:
See page 20

This degree is designed to meet the accreditation requirements of:
Australian Institute of Architects (AIA)
Architects Registration Board of Victoria (ARBV)
Commonwealth Association of Architects (CAA)
Engineers Australia

View all subjects in the University Handbook: study.msd.unimelb.edu.au/programs/master-of-architectural-engineering/overview

Architectural Engineering graduates contribute to the emerging market need for professionals whose knowledge spans both disciplines.

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Graduates with this qualification find employment as:

- Building engineers
- Architects
- Design managers
- Structural engineers
- Practice leads
- Consultants
- Systems design engineers
- Regulatory and policy specialists
- Mechanical engineers.

Career outcomes

The Master of Architectural Engineering is distinct in its ambition to achieve dual accreditation and provide pathways to both professions.

“IT’s the right time in the industry for architectural engineering. Clients understand it and industry is really calling out for architectural engineers. Part of my role at the Melbourne School of Design is researching what is happening overseas, in terms of architectural engineering education, and ensuring that our curriculum is a pre-eminent benchmark in Australia at a minimum, but also an exemplar internationally.”

BRENDON MCNIVEN
Enterprise Professor in Architectural Engineering

Graduates with this qualification find employment as:

- Building engineers
- Architects
- Design managers
- Structural engineers
- Practice leads
- Consultants
- Systems design engineers
- Regulatory and policy specialists
- Mechanical engineers.
LEARN TO MANAGE THE CONSTRUCTION PROCESS END-TO-END.

The Master of Construction Management is a professional degree which will kick start your career in the construction industry, or enhance your existing expertise to advance your career.

You will gain the theoretical knowledge, as well as the practical skills, to manage the social, technological, financial and environmental challenges facing the construction industry today.

The Master of Construction Management is a 300 point or 3 year program. The first 100 points (1 year) is made up of foundation study tailored to students from non-construction backgrounds. Students from cognate backgrounds such as construction management and semi-cognate backgrounds such as architecture or civil engineering will often have completed appropriate studies that will allow them to receive credit for up to the first year of the program, reducing the duration to 2 or 2.5 years.

Whether you are starting your career in construction or coming from industry to further develop your expertise, you will find a specialisation that suits your career aspirations.

You will take a concentration of core and elective subjects focused on your chosen area of specialisation. If you are undertaking the three-year program, you will first complete a series of compulsory construction subjects.

To enable credit/advanced standing to be assessed at the time of application, please supply detailed course information in the form of the official course syllabus for each relevant subjects studied.

In the Master of Construction Management you will choose to specialise in one of the following areas:

» Building
» Cost management
» Project management.


View all subjects in the University Handbook: handbook.unimelb.edu.au/courses/mc-cm

Photograph: John Gollings
BIG is a student-run organisation at the Melbourne School of Design. We connect students with industry whether it be walking through a construction site, hearing from graduates about transitioning from their studies or learning from industry leaders about their next big innovations. BIG runs a range of events throughout the year so students can be better equipped with industry knowledge and growing their professional networks alongside their studies.

The photo shows a field trip to Kane Constructions as part of the BIG Open Day Series, which invites students to visit construction firms.

Graduates from the Master of Construction Management at MSD have gone on to work at many firms in Australia and across the world including:

- Probuild Constructions (Aust) Pty Ltd
- Hansen Yuncken Pty Ltd
- Kane Constructions
- CBRE, Shanghai
- Petroleum Development Oman, Muscat
- Grocon Constructors Pty Ltd
- Brookfield Multiplex
- Aconex
- CB Richard Ellis, Shanghai
- Rand Engineering & Architecture, PC, New York
- City of Vancouver
- Ednet Co Ltd, Bangkok.

Depending on your specialisation, you may work in any of the following:

- General construction companies
- Quantity surveying organisations
- Trade specialists
- Specialised consultancies
- Institutional bodies
- Research institutions.

Career outcomes

Photograph: Scyler Yang
MASTER OF LANDSCAPE ARCHITECTURE

GAIN EXCEPTIONAL LANDSCAPE DESIGN SKILLS IN THIS STUDIO-BASED PROGRAM.

The Master of Landscape Architecture will give you the knowledge and skills to help improve our built and natural environments through innovative design. You will gain:

- The skills to design ecologically sound and contemporary landscapes using the latest materials and technologies
- An in-depth understanding of international contemporary practice
- The management and communications skills to work effectively in interdisciplinary project teams, directly applicable in professional practice
- An extensive knowledge of landscape architectural history and theory.

The Master of Landscape Architecture offers you flexibility, so you can take a two-year program if you already have a three-year undergraduate degree in landscape architecture, or the three-year program if your first degree is not in landscape architecture and you are making a career change.

How to apply:
See page 26

Accredited by:
Australian Institute of Landscape Architects (AILA)

Visit:
study.msd.unimelb.edu.au/programs/master-of-landscape-architecture/overview

Master of Landscape Architecture sample course plan

ENTRY POINT  >  3-Year Master of Landscape Architecture (entry with a degree in any discipline)

| Landscape Studio 1: Design Techniques | Plants in the Landscape | Shaping the Landscape |
| Landscape Studio 2: Site and Design | Performative Ecologies | History of Landscape Architecture |

ENTRY POINT  >  2-Year Master of Landscape Architecture (entry with Landscape Architecture major)

| Landscape Studio 3: Specialisations | Contemporary Landscape Theory | Landscape Architecture Elective |
| Landscape Studio 4: Strategies | Landscape Detail Design | Landscape Architecture Elective |
| Landscape Studio 5: Sustainable Urbanism | Constructed Ecologies | Multidisciplinary Elective |
| Landscape Architecture Design Thesis | Landscape Practice | Multidisciplinary Elective |

View all subjects in the University Handbook: handbook.unimelb.edu.au/courses/mc-larch
Career outcomes
As a qualified landscape architect you will be in demand at all levels of government, in metropolitan and non-metropolitan areas, and in landscape architectural, planning, engineering and multidisciplinary consultancy firms.

You may also find employment with groups such as conservation agencies and land development organisations, or you may choose to set up your own landscape architectural practice.

Graduates from the Master of Landscape Architecture have gone on to work at many firms in Australia and across the world including:

- Hassell
- Places Victoria
- Hansen Partnership Pty Ltd
- Ditec SeoCho Centre, Seoul
- Surbana International Consultants P/L, Singapore
- The University of Edinburgh
- Royal Botanic Gardens
- Formium Landscape Architects
- Aspect Studios
- Taylor Cullity Lethlean
- Outlines Landscape Architecture
- Underground Railway Design Institute, Guangzhou.

JUNYA YU
Landscape Architect, ASPECT Studios
Bachelor degree in Environmental Engineering and Ecology

"I realised design can have more capacity to influence people’s lives and the future development of cities. The skills, design ideas and methodology I learned at MSD have really helped me to deliver project outcomes at work. While I was at Uni I went to various landscape practice tours, social networking events organised by the Australian Institute of Landscape Architecture, received updates and got to know professional practitioners."
The Master of Property is a professional degree to help develop your career in the property industry. You will gain advanced knowledge in:

- Property valuation and analysis
- Development and management of property
- Professional practice in a property context.

The Master of Property offers you flexibility so you can take a two-year program if you already have a three-year undergraduate degree in property, or the three-year program if your first degree is not in property and you are making a career change.

Graduates from the Master of Property at MSD have gone on to work at many firms in Australia and across the world including:

- Lend Lease Development
- KPMG
- m3property
- CBRE
- Savills
- GSK Global, Singapore
- Jones Lang LaSalle, Taipei City
- Deloitte
- AMP Capital Investors
- Mirvac Group
- CB Richard Ellis, Shanghai
- Macquarie Bank
- PT Sinar Pancang Indonesia, Jakarta.

BECOME A SPECIALIST IN PROPERTY DEVELOPMENT AND MANAGEMENT.

**KEY INFO**

**Study mode:**
On-campus only – Parkville

**2-year stream:**
2 years full-time / 4 years part-time

**Intake:** Semester 1 / Semester 2

**Academic background:**
You have a three-year undergraduate degree in property.

**3-year stream:**
3 years full-time / 6 years part-time

**Intake:** Semester 1 / Semester 2

**Academic background:**
You have completed an undergraduate degree in any discipline.

**ENTRY POINT**

3-Year Master of Property (entry with degree in any discipline)

<table>
<thead>
<tr>
<th>Accounting for Decision Marking</th>
<th>Financial Management</th>
<th>Planning Law and Statutory Planning</th>
<th>Property Markets and Valuations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals of Built Environment Law</td>
<td>Managerial Economics</td>
<td>Property Resources and Management</td>
<td>Construction Studies</td>
</tr>
</tbody>
</table>

**ENTRY POINT**

2-Year Master of Property (entry with Property major)

<table>
<thead>
<tr>
<th>Property Law</th>
<th>Property Development</th>
<th>Property Elective</th>
<th>Property Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Property Analysis</td>
<td>Statutory Valuation</td>
<td>Property Data and Tools</td>
<td>Multidisciplinary Elective</td>
</tr>
<tr>
<td>Property Research and Analysis</td>
<td>International Real Estate Economics</td>
<td>Property Elective</td>
<td>Multidisciplinary Elective</td>
</tr>
<tr>
<td>Research Thesis – Property OR Property Industry Internship</td>
<td>Property Investment</td>
<td>Corporate Real Estate Management</td>
<td>Property Elective</td>
</tr>
</tbody>
</table>

**Career outcomes**

Once you graduate with the Master of Property you may go on to work as a:

- Property valuer
- Land economist
- Property manager
- Property analyst
- Property investment adviser.

**Accredited by:**
Australian Property Institute (API)
Royal Institute of Chartered Surveyors (RICS)

**Visit** study.msd.unimelb.edu.au/programs/master-of-property/overview for program details.
Sample course plan – Full Time (part time available)

Property Law  Property Development  Property Markets and Valuations  The Economies of Cities and Regions
Statutory Valuation  Advanced Property Analysis  Construction Studies  Property Resources and Management

Graduate Diploma in Property Valuation

How to apply:
See page 26

Study mode: On-campus only – Parkville
1-year program: 1-year full-time / part-time available
Intake: Semester 1 / Semester 2
Academic background:
Undergraduate degree in a similar discipline such as Commerce, Planning, Business, Building, Law, Engineering, Quantity Surveying
At least one year of documented work experience in Property.

Become a certified property valuer with a Graduate Diploma in Property Valuation.
You have the flexibility to study full-time over one year or part-time over two years depending on what suits you and your career.


Dr Warren-Myers teaches courses in property investment analysis, property development and construction studies. Prior to joining the University of Melbourne she was a Certified Practising Valuer for Westlink Consulting and Jones Lang LaSalle covering a broad range of property, including commercial, retail, industrial, residential, and undeveloped commercial and residential sites. Dr Warren-Myers’ research investigates sustainability and resilience in the property sector and their role in valuation, urban development and property investment.

“The combination of local and international staff in the property program, coming from different sectors, provides a really broad level of expertise to students, helping to guide them in their property careers. Many of our graduates find jobs in high profile international firms in areas like property development, valuations, funds management and agency.”

Dr GEORGIA WARREN-MYERS
Lecturer in Property

Photograph courtesy Unisuper
MASTER OF URBAN & CULTURAL HERITAGE

This unique cross-disciplinary and industry-oriented program is open to graduates who are passionate about the social and cultural dimensions of the built environment in the 21st century.

Urban and cultural heritage is central to global cities today. Interpretation, management and conservation of urban and cultural heritage are increasingly matters of urgency and significance for global cities and communities. Challenges for heritage professionals include the pressures of rapid urbanisation, issues of economic, social and environmental sustainability, and social and cultural change.

The core subjects in the Master of Urban and Cultural Heritage examine contemporary and theoretical approaches to heritage policy, regulation and practice, new approaches to digital technologies and heritage, issues of heritage significance within historical and cross-cultural contexts, cultural heritage and its social and economic impacts, including tourism, and heritage reconstruction.

Students will gain critical research and presentation skills in the analysis, documentation and management of heritage sites, landscapes and tangible and intangible cultural practices. Students also study a range of specialist electives, with the option to undertake a research project or industry internship.

The program in unique in its approach, which includes:
- Cross-disciplinary and integrated approaches to heritage
- Professional skills development in heritage design, research, theory and presentation
- Industry partners involved in specialist teaching
- Research by Heritage Thesis (25 points) and Heritage Project (12.5 points) modes
- Heritage Internship available in long (25 points) and short (12.5 points) modes
- Flexible course structure.

Nested qualifications and exit points
Specialist study is available which will appeal to those looking for professional upgrade. These awards are:
- Specialist Certificate in Urban and Cultural Heritage (25 credit points of core subjects)
- Graduate Certificate in Urban and Cultural Heritage (50 credit points of core subjects).

Following completion of the core subject stream students can choose to specialise through electives, take an industry internship or complete a minor research thesis.

Course structure and subjects
The Master of Urban and Cultural Heritage comprises 100 points, with 50 points of core subjects, and 50 points of electives.

### KEY INFO

**Study mode:**
On-campus only – Parkville

**Duration:**
1 year full time / 2 years part time – intensive modules available

**Intake:**
Semester 1 / Semester 2

**Academic background:**
A minimum masters coursework degree, or four-year undergraduate degree (with Honours) in a cognate area such as architecture, history, art history, landscape architecture, policy studies, cultural studies, urban planning, interior design or equivalent with a weighted average of at least H3 (65%).

Or
- A three-year undergraduate degree in a cognate area as above, with a weighted average of at least H3 (65%), and
- at least two years of relevant experience

**How to apply:**
See page 26

**PATHWAY ROUTE**

**Internship pathway**
MUCH Heritage Industry Internship
Long (25 points)

Plus 25 points of elective subjects (see below) that may also include:
- Urban and Cultural Heritage Research Project (12.5 points)

**Research pathway**
Urban and Cultural Minor Thesis (25 points)

Plus 25 points of elective subjects (see below) that may also include:
- Urban and Cultural Heritage Industry Internship Short (12.5 points)

**Specialisation pathway**
50 points of elective subjects (see below) that may also include:
- Urban and Cultural Heritage Industry Internship (see below)

**Specialisation pathway**

All students complete the following subjects (37.5 points):
- Principles of Heritage and Conservation
- Urban and Landscape Heritage
- Issues and Techniques in Global Heritage.

Plus one of the following three subjects (12.5 points):
- Measured Drawings and Digital Heritage
- Australian Architecture
- Twenty-first Century Architecture
- Critical & Curatorial Practices in Design
- Representing and Remembering Place.
Industry partnerships
Professionals in the field will contribute to the program, both as involved in specialist teaching and also as hosts for the Heritage Industry Internship program.

Career outcomes
Heritage skills are in great demand throughout Australia and globally, including the Asia-Pacific region. The Master of Urban and Cultural Heritage is designed to complement existing professional skills in areas such as architecture, planning, archaeology and history as well as provide a pathway to a new career in the management, conservation and interpretation of heritage. Graduates have pursued careers locally and globally in:

» Government and non-Government heritage agencies
» Cultural and collecting institutions
» Heritage sites
» Municipal councils
» Private practices in architecture, landscape architecture and planning
» Social and urban planning and policy
» Public history.

“The program is heavily industry-focused. There are many opportunities to engage with professionals working in the field through the ICOMOS (International Council on Monuments and Sites) mentoring program, ACAHUCH (Australian Centre for Architectural History, Urban and Cultural Heritage) events, industry nights and through the internship pathway. Guest lectures from heritage professionals feature in many of the subjects and from these students can learn about the kinds of organisations that exist and the roles that heritage practitioners play. The MUCH industry internship allowed me to gain practical experience and develop my skillset which greatly contributed to my employability.”

Rosalie Mickan
Master of Urban and Cultural Heritage student

Elective subjects
» Applied Heritage Conservation Techniques
» Architectural Conservation in East Asia
» Architectural Finishes
» Architecture and Media
» Architecture as Spectacle
» Australian Architecture (PG)
» City Lights: Cities, Culture and History
» Communicating the Arts
» Conservation of Architectural Materials
» Craft in Traditional Asian Architecture
» Critical & Curatorial Practices in Design
» Cultural Festivals and Special Events
» Culture of Building
» History of Landscape Architecture
» Spatial & Political Architectures of Asia
» Measured Drawings & Digital Heritage
» MUCH Heritage Industry Internship
» Planning Theory and History
» Polemic Design in China Japan Korea
» Preventive Conservation
» Representing and Remembering Place (PG)
» RESPECT
» Twenty-first Century Architecture
» Urban and Cultural Heritage Internship
» Urban and Cultural Heritage Minor Thesis
» Urban & Cultural Heritage Research Project


Industry partnerships
Professionals in the field will contribute to the program, both as involved in specialist teaching and also as hosts for the Heritage Industry Internship program.
MASTER OF URBAN DESIGN

LEARN HOW TO DESIGN SUSTAINABLE, BEST-PRACTICE URBAN ENVIRONMENTS.

The Master of Urban Design at the Melbourne School of Design develops professionals who can understand the city as a spatio-temporally complex system and design for contemporary challenges such as mass urbanisation and changing climate demands. Our students become employment-ready through working in interdisciplinary teams, encouraging interaction and appreciation of multiple viewpoints and collegiate working environments.

Course specialities
The Master of Urban Design offers the combined educational strength of four design studios alongside Urban Design Theory. Studio projects are approached as speculative design-research explorations where innovation and discovery are combined with advanced geospatial analytics, multidimensional and procedural modelling, and virtual reality technology. Studios emphasise the importance of place and fieldwork, a significant component of the studio work students undertake.

Electives
An extensive list of Urban Design electives are available in areas of Urban Design Theory, Urban Design Practice, Urban Planning Issues and Research Methods. Please refer to the University Handbook for the full subject details.

Career outcomes
Upon graduation your skills can be applied in a range of urban design and associated planning and design roles. Urban design skills are in great demand throughout Australia and the Asia-Pacific region and your expertise in the design of urban public spaces and strategic planning will provide the opportunity to work locally and globally in areas such as:

- Planning authorities, including city councils
- Architecture practices
- Landscape architecture practices
- Planning practices.

Master of Urban Design sample course plan

<table>
<thead>
<tr>
<th>ENTRY POINT</th>
<th>Master of Urban Design (entry with a design discipline)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban Design Studio A</td>
<td>The Shaping of Urban Design</td>
</tr>
<tr>
<td>Urban Design Studio B</td>
<td>Strategic Plan Making</td>
</tr>
<tr>
<td>Urban Design Studio C</td>
<td>The Economies of Cities and Regions</td>
</tr>
<tr>
<td>Urban Design Thesis</td>
<td>Elective</td>
</tr>
</tbody>
</table>
Graduates from the Master of Urban Design at MSD have gone on to work at many firms in Australia and across the world including:

- City of Melbourne
- Brearley Architects & Urban Designers
- Gerry McLoughlin Architect + Urban Design
- Toronto City Planning
- AECOM Limited
- City of Yarra
- Ministry of Public Works and Housing, AusAID/Bangladesh
- Hansen Partnership
- City of Monash
- DPM Consultants Inc, Makati, Philippines
- Ministry of Public Works, Jakarta
- Tsinghua.

"I work in urban design because of the vast scope and scale of the work. In a morning you could be working on a transport project of a metropolitan scale, before providing architectural input on a site as small as 100m² that afternoon. As a MSD student I liked how we shared core and elective subjects with students from other MSD courses – it’s ultimately how we interact in professional firms, with teams of people from diverse backgrounds in training and experience. On top of the core subjects we could more freely explore personal interests through electives such as 3D modelling and GIS processing which again, are important interests that translate into your professional career."

JAMES KELLY
Urban Designer, Hansen Partnership Pty Ltd
MASTER OF URBAN PLANNING

PREPARE FOR A PROFESSIONAL CAREER AS A PLANNING PRACTITIONER.

As we adapt to global changes that impact our cities including climate change, deepening inequality, concerns for community health and safety, and the emergence of global city-regions, planning has never been more critical.

The Master of Urban Planning is a professional degree that focuses on Australian and international policy and planning pertaining to human settlements and how we cope with these challenging population and environmental issues.

Eight core subjects: Core subjects provide you with the knowledge and technical skills needed to generate, evaluate, and implement plans as well as insight into economic and environmental change in cities.

Research thesis: You can develop an area of particular interest, analysing an urban planning issue in a complex policy environment.

Two electives: You choose two electives from Design or other faculties in subjects such as economics, engineering, public health, development studies, social work and law. Planners work with many other disciplines in practice and these subjects prepare you to work effectively in industry.

ELECTIVES

- Building Behaviour in Bushfires
- Building Resilient Settlements
- City Lights: Cities, Culture and History
- Cities Without Slums
- Climate Affairs
- Climate Change Policies and Policy
- Environmental Impact Assessment
- Freight Systems
- GeoDesign Models & Applications
- GIS in Planning, Design & Development
- Healthy Communities
- Housing, Markets, Policy and Planning
- Inclusive Cities
- International Property Development B
- International Real Estate Economics
- Managing Global City Regions
- MSD Vocational Placement
- MUP Independent Study Property Development
- Participation and Negotiation
- Planning Asia
- Pacific Cities Studio
- Public Transport Network Planning
- Social Impact Assessment and Evaluation
- Sustainable Transport and Public Policy
- Sustainability Governance and Leadership
- Transportation, Land Use and Urban Form
- The Politics of Food
- Transport Systems
- Urban Design Theory
- Urban Informatics

Career outcomes

Many Master of Urban Planning graduates enter the public sector and work in government departments and agencies, or for local councils and regions. The private sector and civil society, within Australia and internationally, offers an increasing range of employment opportunities, including urban planning and design, environmental and transport planning consultancies, property development companies, and housing and community advocacy. There are also opportunities in tertiary education and research.

Urban planners work with teams of related professionals such as architects, landscape architects, engineers, environmental scientists, economists, property valuers, real estate developers, lawyers and sociologists.


Accredited by: Planning Institute of Australia (PIA) Vocational Placement

How to apply: See page 26

Study mode: On-campus only – Parkville

2-year stream: 2 years full-time / 4 years part-time

Intake: Semester 1 / Semester 2

Academic background: You have a three-year undergraduate degree in any discipline.
Graduates from the Master of Urban Planning have gone on to work at many firms in Australia and across the world including:

» Urbis, Hong Kong
» Tract Consultants Pty Ltd
» Department of Planning and Community Development
» Hansen Partnership Pty Ltd, Ho Chi Minh City
» City of Melbourne
» VicUrban
» Planisphere
» Aurecon
» SGS Economics and Planning
» Hangzhou Urban Planning Bureau
» URS Australia Pty Ltd
» Nigerian Institute of Town Planners, Lagos.

Eight million people are expected to call Melbourne home by 2050. The city’s western suburbs are set to absorb a large portion of this growth, with 615,000 additional residents projected between 2011-2031. A Master of Urban Planning studio at the Melbourne School of Design in Semester 1, 2017, brought together students from architecture and urban planning disciplines to investigate the future of transport in these booming suburbs. Their research projects recognised concerns with existing strategies and identified alternative opportunities to improve amenity for the region’s growing population.

“The students worked together to collect the data on travel demand and public transport capacity. They found that under ‘business as usual’ travel patterns there is a big shortfall in capacity even with the construction of the stage 1 Melbourne Metro Rail project.

“They realised that future travel demand could be met through a combination of new train and tram lines and the creation of new job opportunities and universities at strategic locations on an expanded public transport network in the west.

“The questions the studio posed are exactly those facing planners in state and local government. The interactions between students and practitioners during the studio were extremely valuable to both groups.”

Dr John Stone
Senior Lecturer, Urban Planning

Photograph: Josie Hayden/Newsipix
RESEARCH HIGHER DEGREES


Research Higher Degree programs
The MSD offers a stimulating and progressive research environment, attracting the best and brightest future researchers in our disciplines from around the world. Through the PhD or MPhil, you will have access to generous funding and resources, excellent facilities and a collegial and supportive cohort of fellow graduate researchers.

World-class research
The Melbourne School of Design has an international reputation for excellence in research and graduate research and as a leader in built environment and urban research. Our researchers are experienced scholars, leading debate and engaging with industry, policy-makers and the community towards real-world outcomes.

Across our core disciplines of architecture, landscape architecture, urban design, urban planning, property and construction, our research focuses on the following themes:

» Architecture and the urban past
» Cultural and sustainable landscapes
» Data and value
» Design and creative research
» Future cities
» Indigenous place
» Healthy communities and infrastructure
» Practice and construction in innovation.

KEY INFO

Study mode:
Research-based only
No coursework PhDs available

Duration:
Up to 2 years – MPhil
Up to 4 years – PhD

Academic Eligibility:
See How to Apply, page 27.

How to apply:
See page 27

Visit study.msd.unimelb.edu.au/programs for program details.

MASTER OF PHILOSOPHY
The Master of Philosophy (MPhil) is an internationally recognised masters (by research) degree, advancing our student’s skills in conducting independent and sustained research. The thesis of approximately 30,000 – 40,000 words, undertaken as a full dissertation or combined with a design project, demonstrates a critical application of specialist knowledge and makes an independent contribution to existing scholarship.

DOCTOR OF PHILOSOPHY
The Doctor of Philosophy (PhD) indicates advanced knowledge and expertise and high level research, conceptual and writing skills. It is a sustained piece of research and writing that examines a specific problem and, upon completion, makes a significant new contribution to knowledge. This takes the form of an 80,000 – 100,000 word thesis or combined thesis and design dissertation.

Career outcomes
On completing your research degree, you will have acquired an internationally recognised and respected qualification. Graduates of our research programs have gone on to work at institutions and organisations in Australia and across the world including:

» Chartered Architect, Robust Architecture Workshop, Sri Lanka
» Lecturer in Architecture, Taylor’s University, Malaysia
» Post-doctoral researcher and lecturer, Aalto University, Helsinki

RESEARCH ACHIEVEMENTS

The University of Melbourne was awarded an ERA rating of 5 in Architecture, and Urban and Regional Planning placing it in the top category in these fields nationally in the 2015 Excellence in Research in Australia assessment.
Our newest research hub, established this year, focuses on Informal Urbanism. A stellar team of academics, led by Professor Kim Dovey and Dr Crystal Legacy, has six key research themes: informal settlements, citizen-driven planning, informal trading, informal transport, informal architecture and tactical urbanism.

Professor Dovey explains, "We gather together in a shared interest in the ways formal and informal practices emerge, intersect and conflict in urban development, in how power is practised as a form of self-organization, and in the struggles of marginalized populations to assert their right to the city."

Research students are supervised by recognised discipline experts with national and international reputations for excellence. In addition to research projects conducted across the built environment fields, we host institutes, networks and hubs focused on urban and cultural heritage, housing affordability, urban data infrastructure, sustainability, learning environments and transport, health and urban design.
In most cases, students will be responsible for initiating their own placement with an organisation. Interested students need to approach an organisation to obtain an in-principle agreement.

Vocational placement can be undertaken by students enrolled in the following programs:

» Master of Architecture
» Master of Landscape Architecture
» Master of Urban and Cultural Heritage
» Master of Urban Design
» Master of Urban Planning.

Have the option of an elective internship subject and gain ‘real’ work experience during your studies.

MSD students have worked at:

» Abbotsford Convent
» AURIN
» Biosis
» Brimbank
» City of Whitehorse
» City of Whittlesea
» Department of Environment, Land, Water and Planning
» Devonport City Council
» Hansen Partnership
» Hassell
» Latrobe City Council
» LeadWest
» Melbourne Metro Rail Authority
» Melbourne Water
» Melton City Council
» Moorabool Shire Council
» Moreland Energy Foundation

Also known as Work Integrated Learning, these placements provide a valuable way to gain first-hand understanding of professional practice.

ABPL90307 MSD Vocational Placement is a subject that enables eligible students to undertake an unpaid, short term placement with a host organisation or industry that is relevant to the student’s area of study. Students are allocated an academic supervisor and a host supervisor prior to starting the placement. These two roles provide students an important source of support throughout the placement and ensuing report for academic credit.

The subject can be undertaken in Semester 1, Semester 2 or another study period by negotiation with the academic coordinator and the host organisation.

Find out more at msd.unimelb.edu.au/internships

Master of Landscape Architecture students Heidi Nurmio, Wenjin Wang and Iris Fong (pictured left to right) have completed a three week internship with Tract Consultants, a leading planning & design practice using the professional disciplines of town planning, landscape architecture and urban design.

“Exposure to the work environment was most exciting. Everyone at Tract was really supportive and welcoming. By observing how a project team works together, joining in meetings with clients and contractors, and participating in daily office work, we have really gained an insight view into the professional environment.

“MSD has organised many events and programs with industry partners, which are great for student to have direct contact with them. We often have presentation and critique panels with members from industry. Many practitioners are teaching us at the University.”

Image: Iris Fong, Wenjin Wang and Heidi Nurmio
Photograph: Thomas Feng
THE UNIVERSITY OF MELBOURNE HAS APPROXIMATELY 135 EXCHANGE PARTNERS IN OVER 30 COUNTRIES ACROSS THE WORLD.

Exchange programs and travelling studios offer diverse locations and unique opportunities to apply your knowledge and skills to a global stage.

The semester long exchanges offer MSD students an exciting opportunity to gain an international university experience while studying.

OUR TRAVELLING STUDIOS ARE ‘WORKING LABORATORIES’ FOR DESIGN THOUGHT AND PRODUCTION AND INVOLVE THE EXPLORATION OF COMPLEX, REAL-LIFE ISSUES.

Exposure to unfamiliar cultures, places and people will stimulate your ability to think creatively and problem-solve. Pre-trip seminars will precede the travel component of each studio and each studio will incur travel costs, in addition to tuition fees. Faculty travel subsidies will be available.
HOW TO APPLY:
COURSEWORK

01 ACADEMIC ELIGIBILITY

All applicants must have a minimum of 65% average (equivalent to the University of Melbourne's grading scheme) in an undergraduate degree.

Prepare all supporting documentation
» Certified copies of university transcripts in English
» Proof of English Language eligibility (if applicable)
» Personal statement (if applicable).

02 SUBMIT YOUR ONLINE APPLICATION
Submit to the University of Melbourne by the required deadline: go.unimelb.edu.au/ww6a

03 SUBMIT YOUR ONLINE DESIGN PORTFOLIO
(If applicable) portfolios are to be submitted through the online submission portal Slideroom: msd.slideroom.com

DESIGN PORTFOLIO (IF REQUIRED)

A design portfolio is required for Architecture (2 and 3 year programs), Architectural Engineering, Landscape Architecture (2 year program only) and Urban Design.

The online design portfolio should consist of:
» A maximum of 15-20 single pages. Please note this includes cover page and contents.
» A maximum file size of 10mb
» A variety of drawings and images, for example: free hand diagrams, computer images, two-dimensional (plans, sections, elevations) and three-dimensional studies, and photographs of physical models.

The portfolio will be considered based on evidence of: three-dimensional thinking, creative thinking and conceptual thinking.

PERSONAL STATEMENT (IF REQUIRED)

A personal statement is required for all programs except Urban Design and Property Valuation.

A personal statement of 500 words should outline relevant prior study and work experience, and motivation to undertake the program.

GRADUATE ACCESS MELBOURNE

If your previous studies were impacted by difficult circumstances you may be eligible for special entry and/or support.

For more information please see: futuresstudents.unimelb.edu.au/admissions/access_melbourne_and_equity_programs/graduate-access-melbourne

APPLICATIONS DEADLINES

Semester 01 – February commencement
Local Students: 30 November
International Students: 31 October

Semester 02 – July commencement
Local Students: 31 May
International Students: 30 April

ENGLISH LANGUAGE REQUIREMENTS*
ALL MSD COURSEWORK PROGRAMS

IELTS* (Academic English only)
6.5 (no band less than 6.0)

TOEFL (paper based test)*
577 + TWE 4.5

TOEFL (Internet based test)*
79 + Writing 21; Speaking 18; Reading 13; Listening 13

Pearson Test of English (Academic)
58+ inclusive & no communicative skill below 50

Certificate of Advanced English (CAE)
176+, no skill below 169

* Only applicable to international students whose undergraduate degree was not taught and assessed entirely in English.

Students who achieve slightly lower than the required English scores may be eligible for the University of Melbourne English Language Bridging Program (UMELBP). For more information please see: hawthornenglish.edu.au

FEE: 2019 PER 100 CREDIT POINTS

Australian fee place*
$35,968 AUD

International fee place*
$41,120 AUD

* Fees stated relate to 2019 only and are subject to annual review.

Commonwealth Supported Places**

A limited number of Commonwealth Supported Places (CSP) are available for our Masters courses. CSPs are awarded to applicants based on academic merit. CSPs are substantially subsidised by the Australian Government so that students only pay ‘student contribution’ amounts for their units of study.

** Limited number

INTERNATIONAL STUDENTS

A range of Academic Merit Scholarships, Travelling Scholarships and other funding opportunities are available to assist talented international students to study at the University of Melbourne. Find out more at scholarships.unimelb.edu.au
HOW TO APPLY: RESEARCH

Applicants must have:
» Completed a relevant coursework Masters degree (with research project/minor thesis at least equivalent to 25% of one year of full-time study), a Masters by research degree or a four-year honours degree.
» Achieved an overall minimum 75% (University of Melbourne equivalent) grade in the relevant honours or Masters degree.

Consider research supervision
MSD recommends all potential RHD applicants are familiar with the research currently being conducted in the Faculty of Architecture, Building and Planning. Applicants should:
» Research the topics and supervisors of our current RHD students at: edsc.unimelb.edu.au/graduate-research
» Read our staff profiles at: msd.unimelb.edu.au/about/our-people
» Consider if your research topic aligns with the research interests of any of our staff.
» Important: it is not compulsory to find a supervisor before you apply for a RHD program in MSD.
» The MSD Graduate Research Committee will assign supervisors to suitable applicants if they have not approached any MSD staff.

For applicants who choose to approach a potential supervisor, you can contact MSD staff only when you have prepared the following information:
» Draft research proposal
» CV
» University transcripts. Retain any correspondence to be submitted as part of your hard copy application.

Prepare all supporting documentation
» Proof of identification
» Certified copies of academic results and relevant grading scales
» Research proposal, 1500 – 2000 words
» Proof of English Language proficiency (if applicable)
» Curriculum Vitae
» Academic Referee reports
» Evidence of prior publications (if applicable)
» Design portfolio (if applicable).

For more information, see study.msd.unimelb.edu.au/programs/doctor-of-philosophy/apply-now

APPLICATION AND OUTCOME TIMELINE

3 – 6 weeks: Application processing time
2 – 3 weeks: Application outcome
MSD Graduate Research Committee meeting

Prepare all supporting documentation
» Proof of identification
» Certified copies of academic results and relevant grading scales
» Research proposal, 1500 – 2000 words
» Proof of English Language proficiency (if applicable)
» Curriculum Vitae
» Academic Referee reports
» Evidence of prior publications (if applicable)
» Design portfolio (if applicable).

For details on these requirements, see study.msd.unimelb.edu.au/programs/doctor-of-philosophy/apply-now

APPLICATION AND OUTCOME TIMELINE

SUBMIT YOUR ONLINE APPLICATION

Submit your application form and all supporting documentation to reviewsudents.unimelb.edu.au/admissions/applications/online-application-info

Application deadlines, commencement and outcomes
» Research applicants can apply at any time. Please note that there are deadlines for certain intakes and scholarships.
» MSD has a Graduate Research Committee which meets approximately every six weeks to review RHD applications.

ENGLISH LANGUAGE REQUIREMENTS* ALL MSD RESEARCH PROGRAMS

IELTS* (Academic English only)
7.0 (written 7.0 with no band less than 6.0)

TOEFL (paper based test)*
600 + TWE 5.0

TOEFL (Internet based test)*
94 + Writing 27; Speaking 18; Reading 13; Listening 13

Pearson Test of English (Academic)
65 and written communicative skill of 65 and no other communicative skill below 50

Certificate of Advanced English (CAE)
185+, no less than 185 in writing and 169 in each other skill

* Only applicable to students whose prior education was not taught and assessed entirely in English.

FEE: 2019 PER 100 CREDIT POINTS

Australian fee place
Research and Training Scheme fee exemption

International fee place
$40,512 AUD

Fees detailed relate to 2019 only and are subject to annual review.

SCHOLARSHIPS

Tuition and living allowance scholarships are available for both local and international RHD students.

Scholarship deadlines:
» End of May and end of October

See scholarships.unimelb.edu.au

Photographs: Dan Hocking