"The Melbourne School of Design starts from a position of exceptional strength, augmented by the unique breadth of disciplinary expertise offered by our Faculty and across our industry-based sessional teaching staff. The MSD promotes positive change and creates new ideas and values through its diverse studio teaching, while the evolving city context remains at the centre of the our design research agenda. MSD promotes critical thinking, visual skills development, creative research, and data analysis as well as technical research in attempting to tackle the problems facing Australia, its cities, its growing population and its unique landscape environment."
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 Urban and Cultural Heritage
- Graduate Diploma in Built Environments
- Graduate Diploma in Property Valuation.

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.

MORE INFO ONLINE
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 international studios take classes to Remote Australia, Europe, South America, India and Asia for intensive and life-changing learning experiences.

FABRICATION WORKSHOP

Our busy Fabrication Workshop (FabWorks) is a state-of-the-art interdisciplinary space for making.

The facility houses technology that creates a hands-on and inspiring environment, encouraging experimentation with machinery, materials and processes of making. It is unique in Melbourne and one of the best-equipped teaching workshops in Australia. Our facilities are used by students, academics and researchers as well as our industry partners. Our Robotics Lab, Machine Workshop, FabLab and Print/Media Hub offer 3D printing, laser cutting, advanced robot-driven digital fabrication and more.

MSDx

Our end-of-year student show MSDx transforms our entire award-winning building into a multi-floor gallery exhibiting over 400 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 hundreds of 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 special 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-recognised curriculum.
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:

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

» 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.

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)

<table>
<thead>
<tr>
<th>Master of Architecture Studio A</th>
<th>Construction Methods A</th>
<th>Architectural Cultures 1: Modernism</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture Studio B</td>
<td>Architectural Technology</td>
<td>Architectural Cultures 2: After Modernism</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Master of Architecture Studio C</th>
<th>Applied Construction Technology</th>
<th>Architecture Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture Studio D</td>
<td>Twenty-first Century Architecture</td>
<td>Architecture Elective</td>
</tr>
<tr>
<td>Master of Architecture Studio E</td>
<td>Architectural Practice</td>
<td>Multidisciplinary Elective</td>
</tr>
<tr>
<td>Design Thesis</td>
<td>Architecture Elective</td>
<td>Multidisciplinary Elective</td>
</tr>
</tbody>
</table>

Accredited by:

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

How to apply: See page 26


Image: Aik Meng Heng, Master of Architecture Unliveable Berlin studio project.
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 Finn Architects, London
- Jackson Architecture
- Denton Corker Marshall Pty Ltd
- Hassell
- BVN Architecture
- Harvard University
- Architecture Media Pty Ltd
- Land Transport Authority, Singapore
- Cushman Wakefield, Shanghai.

Career outcomes

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

Catherine Duggan and Michael Roper teach the Unliveable Berlin studio, which takes masters students to the ANCB Metropolitan Laboratory for three weeks of intensive design work, the culmination of seven weeks of research, design and drawing. Their work is exhibited at the Melbourne School of Design’s end of semester show, MSDx.

“Unliveable Berlin looks at ways in which cities can be exclusionary. We ask students to consider who cities cater for and who they overlook, the ideas a city embodies and the ideologies a city rejects. Berlin provides rich territory to explore these concerns. A century of war, division, demolition, reunification, aborted reconstruction, and temporary occupation is written into the city’s urban fabric.”
### Master of Architectural Engineering

#### The University is Proud to Offer
This new graduate qualification. 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 principles 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.

### 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 26

### View all subjects in the University Handbook:

### Key Info
- 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

### Master of Architectural Engineering Sample Course Plan – 450 points (completed in 3.5 years with 100 points credit)

#### First Year

<table>
<thead>
<tr>
<th>Studio A</th>
<th>Studio B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture</td>
<td>Construction Methods A</td>
</tr>
<tr>
<td>Master of Architecture</td>
<td>Architectural Technology</td>
</tr>
</tbody>
</table>

#### First Year pathway for architecture graduates

<table>
<thead>
<tr>
<th>Studio C</th>
<th>Studio D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture</td>
<td>Applied Construction Technology</td>
</tr>
<tr>
<td>Master of Architecture</td>
<td>Engineering Project Implementation</td>
</tr>
</tbody>
</table>

#### First Year pathway for engineering graduates

<table>
<thead>
<tr>
<th>Studio A</th>
<th>Studio B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Mechanics</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>Earth Processes for Engineering</td>
<td>Engineering Materials</td>
</tr>
</tbody>
</table>

#### Common Second and Third Year

<table>
<thead>
<tr>
<th>Studio C</th>
<th>Studio D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Practice</td>
<td>Engineering Site Characterisation</td>
</tr>
<tr>
<td>Master of Architecture</td>
<td>Sustainable Infrastructure Engineering</td>
</tr>
</tbody>
</table>

#### Fourth Year

<table>
<thead>
<tr>
<th>Studio E</th>
<th>Studio F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture</td>
<td>Twenty-first Century Architecture</td>
</tr>
<tr>
<td>Architectural Engineering Capstone</td>
<td>Construction Engineering</td>
</tr>
</tbody>
</table>

### Visit:
Graduates with this qualification find employment as:

» Building engineers
» Architects
» 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.

Robert Snelling is in his first year of the Master of Architectural Engineering. He previously studied a Bachelor of Environments and is on the Dean’s Honours List for achievement in his final year.

"If we are to design more sustainable cities, there needs to be a rethinking of how built environment professionals use their skills in increasingly unprecedented contexts. Both the engineering and architecture professions have unique and valuable problem solving capacities, particularly when combined together. The challenge is now applying these techniques to newer, pressing complex urban challenges like affordability, resource conservation and fostering healthy communities. Once we do so, that is when I think we will see the biggest innovations and advancements in the built environment."
MASTER OF CONSTRUCTION MANAGEMENT

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. 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 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.

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.

Master of Construction Management sample course plan

ENTRY POINT > 3-Year Master of Construction Management (entry with degree in any discipline)

<table>
<thead>
<tr>
<th>Construction of Buildings</th>
<th>Environmental Systems</th>
<th>Management of Construction</th>
<th>Materials and Structures</th>
</tr>
</thead>
</table>

Building specialisation example

<table>
<thead>
<tr>
<th>Building Services and Operations</th>
<th>Construction Law</th>
<th>Building Elective</th>
<th>Means and Methods in Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Measurement and Estimating</td>
<td>Project Management in Practice</td>
<td>Construction Regulation and Control</td>
<td>Building Elective</td>
</tr>
<tr>
<td>Experiences in Industry</td>
<td>Advanced Construction Technology</td>
<td>Building Elective</td>
<td>Multidisciplinary Elective</td>
</tr>
<tr>
<td>Construction Scheduling</td>
<td>Building Elective</td>
<td>Multidisciplinary Elective</td>
<td>Multidisciplinary Elective</td>
</tr>
</tbody>
</table>
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.

Career outcomes

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.

Chris Jensen is a lecturer in the Construction Management program. He joined us from industry, bringing extensive experience as a sustainability consultant on a wide range of projects including commercial green star rated office buildings to energy modelling in Antarctica. He is interested in the passive performance of buildings (achieved by design and construction) and is featured in the media speaking on the link between building design and public health issues, such as heat stress.

"I am always amazed at how many of the construction students find good jobs while studying or get them quickly shortly after... It’s nice for the teaching staff to see, because at the end of the day the program has to ensure the employability of our graduates."

CHRIS JENSEN
Lecturer, Construction Management 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.

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 | Constructed Ecologies |
| Landscape Studio 4: Strategies | Landscape Detail Design | Landscape Practice |
| Landscape Studio 5: Sustainable Urbanism | Landscape Architecture Elective | Multidisciplinary Elective |
| Landscape Architecture Design Thesis | Landscape Architecture Elective | Multidisciplinary Elective |
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.

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.

Elliot Summers started his own practice after graduating from the Master of Landscape Architecture program in 2013. Polygon is founded on the idea that it is through the smaller details that the bigger picture takes shape. When we design we need to understand the pixels to comprehend the picture.

Being a part of MSD’s close knit studio culture and community pushed him to excel.

"Working with students who produced a higher quality of work always drove me to do better with my own. These networks are fundamental to career, and I couldn’t have got my company up without the support, ideas and experience of those I had studied with."

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 firm 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.

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.

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 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.

How to apply:
See page 26

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


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

BECOME A SPECIALIST IN PROPERTY DEVELOPMENT AND MANAGEMENT.
**PROPERTY VALUATION**

**KEY INFO**

**BECOME A CERTIFIED PROPERTY VALUER WITH THIS PROFESSIONAL QUALIFICATION**

If you already have a degree in a related field, then the Graduate Diploma in Property Valuation is the perfect way to enhance those qualifications and develop or progress your career 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.


**Sample course plan - Full Time (part time available)**

<table>
<thead>
<tr>
<th>Course</th>
<th>1-year program</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Law</td>
<td>1 year full time / part time available</td>
<td>Semester 1 / Semester 2</td>
</tr>
<tr>
<td>Property Markets and Valuations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Economies of Cities and Regions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statutory Valuation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Property Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction Studies</td>
<td></td>
<td></td>
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<tr>
<td>Property Resources and Management</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**How to apply:**

See page 26

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**Mariko Kimura**

Mariko Kimura is in her first year of the Master of Property program.

"After four years’ experience in the property industry, the best part about this program is that it gives us a holistic understanding of the property world. Although we can definitely learn through working in the industry, sometimes, we tend to learn only about the specific work that we find ourselves specialising in. The well-planned and holistic programs at MSD equip us with the understanding and vision to assume leadership roles, and to make a difference in the industry.

During my first semester, when I was entirely new to Australia and the Australian property sector, there were lecturers who were very patient with my many questions and who made the time to share from their expertise. I will always be thankful for them, especially since the first semester did seem quite daunting initially to this international postgrad student, new to the country! Having studied in other universities and countries, the lecturers at MSD have been some of the warmest people I’ve crossed paths with.”

*Image: Mariko Kimura*
MASTER OF URBAN & CULTURAL HERITAGE

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.
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

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.

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.

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

Dr CRISTINA GARDUÑO FREEMAN

Postdoctoral Research Fellow
The Australian Collaboratory for Architectural History, Urban and Cultural Heritage (ACAHUCH)

Dr Cristina Garduño Freeman is an academic in the fields of heritage, architecture and digital media. She has a forthcoming book titled Participatory Culture and the Social Value of an Architectural Icon: Sydney Opera House with Routledge, UK.

“We all engage with existing places that are layered with history and with the meaning we give them today. Graduates from the Masters in Urban and Cultural Heritage contribute to society by interpreting the present and conserving the past, so it will there for others in the future. The course brings contemporary research and critical thinking to the conservation of our built environment. It covers legal instruments, theory as well as newer areas, such as digital technologies and heritage interpretation. The course, staff and research environment has a professional focus and strong industry networks.”
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.

Professional and wider community involvement is a regular part of the Master of Urban Design studio experience.

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.

How to apply:
See page 26


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

Image above: Yiteng Chong, Shirley Kwan and Felix Yanjie Zhan, The Melburbs, The Veins project (detail).
Image right: Images: Sophie Farmer and Bi Wang. X-Ray the City 2046: Diversity as Density project.
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.

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.

“Our cities are growing at unprecedented rates undergoing rapid urbanisation and intensification. Melbourne’s population is predicted to reach 8 million people by 2050, becoming Australia’s biggest city. Though much of this growth is in the form of lateral expansion (usually referred to as sprawl), a significant proportion will continue as urban densification with both building and population intensification in existing urban areas... the densification of Melbourne will come with equally significant challenges if it is to continue as one of the most liveable cities in the world.”

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.

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**Master of Urban Planning sample course plan**

<table>
<thead>
<tr>
<th>ENTRY POINT</th>
<th>Master of Urban Planning</th>
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<tbody>
<tr>
<td>Planning Law and Statutory Planning</td>
<td>The Economies of Cities and Regions</td>
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<td>Land Use and Urban Design</td>
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<tr>
<td>Minor Thesis Part 1</td>
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<tr>
<td>Minor Thesis Part 2 OR MUP Studio</td>
<td>Urban Planning Elective</td>
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**ELECTIVES**

- Bushfire & Climate
- Bushfire Planning & Management
- Bushfire Urban Planning
- Building Behaviour in Bushfires
- Building Resilient Settlements
- City Lights: Cities, Culture and History
- Cities Without Slums
- Climate Affairs
- Climate Change Politics 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

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

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.

Our urban planning program has a strong focus on public transport.

The Victorian State Government has committed to removing 50 level crossings in two terms of office, a faster rate of removal than in any other period in the history of railways in Melbourne. Urban planning researchers and students are working on a research project that is evaluating the issues involved in level crossing removals so that when proposals for specific locations are considered, professional, government and industry stakeholders, as well as the community, can participate in a more informed way.

Master of Urban Planning students contribute to this work through studio subjects. Working collaboratively, they have supported the research with speculative designs for train stations, connected parks, walkways, integration of cycling trails and urban renewal developments.
RESEARCH HIGHER DEGREES

THE MELBOURNE SCHOOL OF DESIGN OFFERS TWO GRADUATE RESEARCH PROGRAMS, THE MASTER OF PHILOSOPHY (MPhil) AND THE DOCTOR OF PHILOSOPHY (PhD).

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.

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

Image: Oculus 2016 showing work (l-r) by Xiaoran Huang, Citra S. Ongkowiyo, Alessandro Luti. For details about these projects please visit the ebook: msd.unimelb.edu.au/ebooks/oculus-2016

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.
Every year at our graduate exhibition, MSDx, Oculus presents the work of PhD candidates conducting research in Architecture, Landscape Architecture, Urban Planning, Urban Design and Construction. Our research students work out on the frontier of knowledge in these fields. Oculus depicts their inspiration and visionary apprehension of our future built environments.

Jose Oliveros, 2016 President of the Research Student Association, says, “We promote the interaction between us in a social and in an academic way. In fact, Oculus is an example of our intrinsic sense for sharing and promoting what we are doing as a group of students. The idea is to show what is inspiring us, our project goal, or what would be the best possible outcome of our research.”

msd.unimelb.edu.au/ebooks/oculus-2016
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:
- Victoria and Albert Museum
- RBA Architects
- The University of Melbourne
- Melton City Council
- LeadWest
- SongBowden Planning
- Tract Consultants
- Melbourne Water
- AURIN
- Latrobe City Council
- Crowd Productions Studio
- Quadratum Architecture
- Biosis
- RotheLowman Architects
- Department of Environment, Land, Water and Planning
- Blight, Blight & Blight
- Surf Coast Shire
- National Trust Victoria
- Moreland Energy Foundation
- Urban Edge Consultants
- City of Whitehorse
- Hansen Partnership
- Abbotsford Convent
- Department of Environment, Land, Water and Planning
- Blight, Blight & Blight
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- National Trust Victoria
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- Surf Coast Shire
- National Trust Victoria
- Moreland Energy Foundation
- Urban Edge Consultants
- City of Whitehorse
- Hansen Partnership
- Abbotsford Convent

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 ensuring 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

Industry Nights
Each of our graduate programs have student led groups who organise industry nights for employers to meet students. These groups and networking nights happen almost every week throughout each semester. Check the @msdsocial Facebook page for more information.

They encourage, assist and foster student professional development by providing networking opportunities with fellow students, staff and the construction industry. The Construction Students Association’s 5th annual Industry Night was their biggest event yet, with over 80 people representing 27 companies, and over 150 staff and students in attendance.

Image: Mary Cana, Kevin Lan Hing Ting and Farnaz Moeinaddin from the Construction Students Association, organisers of the CSA 2017 Industry Night.
GLOBAL OPPORTUNITIES

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. The MSD and the University of Melbourne offer funding to assist students with the cost of exchange.

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.

Image: Ahmedabad Traveling Studio
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

FOR MORE INFORMATION

See: study.msd.unimelb.edu.au/programs

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.com

FEE: 2018 per 100 credit points

Australian fee place* $34,560 AUD
International fee place* $39,520 AUD

*Fees stated relate to 2018 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 futurestudents.unimelb.edu.au/admissions/scholarships

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 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 drawings, 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: futurestudents.unimelb.edu.au/admissions/access_melbourne_and_equity_programs/graduate-access-melbourne

APPLICANTS OF OTHERWISE UNUSUAL QUALIFICATIONS

If your qualities are unusual or unique, you may be considered for admission. Further information is available from the admissions office.

PREPARATION AND SUBMISSION OF APPLICATIONS

Applications are submitted online and are fully integrated with the University’s Admissions and Scholarships system. Applications are accepted on a rolling basis. Please check the application deadline on our website.

Note: electronic documentation is required where a hard copy is specified.

If the application is accepted, you will be emailed an offer letter by the specified time to begin. If you do not receive an email within 2 weeks of your application submission, please contact the admissions office.

FURTHER INFORMATION

For more information, please visit the website of the University of Melbourne or contact the admissions office directly.

For international students, please visit the website of the Commonwealth Scholarships website or contact the admissions office directly.

For the courses you are interested in, please visit the website of the University of Melbourne or contact the admissions office directly.

For the English language requirements and fees, please visit the website of the University of Melbourne or contact the admissions office directly.

For the application process, please visit the website of the University of Melbourne or contact the admissions office directly.

For the scholarship opportunities, please visit the website of the University of Melbourne or contact the admissions office directly.

For the graduate access Melbourne, please visit the website of the University of Melbourne or contact the admissions office directly.

For the personal statement requirements, please visit the website of the University of Melbourne or contact the admissions office directly.

For the design portfolio requirements, please visit the website of the University of Melbourne or contact the admissions office directly.
HOW TO APPLY:

RESEARCH

ACADEMIC ELIGIBILITY

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/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

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

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: services.unimelb.edu.au/scholarships/research

FEE: 2018 per 100 credit points

Australian fee place
Research and Training Scheme fee exemption

International fee place
$39,620 AUD

Fees detailed relate to 2018 only and are subject to annual review.

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.