ABOUT THE MELBOURNE SCHOOL OF DESIGN

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 COMMUNITY OF STAFF AND STUDENTS WHOSE INTEREST AND EXPERTISE FOCUSES ON DESIGN AND THE BUILT ENVIRONMENT. OUR GRADUATE PROGRAMS AIM TO ENSURE YOU HAVE A PROFESSIONALLY RELEVANT AND INDUSTRY-FOCUSED QUALIFICATION.

OUR COMMUNITY

The MSD is a community of students, faculty, alumni and industry professionals all focused on solving real life design and built environment problems.

We are renowned for our exhibitions, public lectures, research seminars, conferences and social networks. This busy and vigorous events program will help you connect with peers and industry practitioners and evolve in your discipline.

TEACHING

Respected industry practitioners and academics teach the MSD graduate programs and lead key research projects in the built environment.

RESEARCH

The MSD has an international reputation as a leader in built environment and urban research working across the core disciplines of architecture, architectural engineering, landscape architecture, urban design, urban planning, property and construction.

"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."

Photograph: Tina Smigielski
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 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.

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THE UNIVERSITY OF MELBOURNE IS ONE OF THE WORLD’S LEADING UNIVERSITIES. IT CONSISTENTLY RANKS HIGHLY ACROSS THE MAJOR INTERNATIONAL RANKING SYSTEMS

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<thead>
<tr>
<th>GLOBAL REPUTATION</th>
<th>PROFESSIONAL RELEVANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.33 in the World</td>
<td>The University of Melbourne ranked No.1 in Australia, 44th Globally</td>
</tr>
</tbody>
</table>

The Times Higher Education World University Rankings 2015-2016. 
In the 2015 Academic Ranking of World Universities. 
In the 2014-2015 QS World University Rankings by Subject.
AWARD-WINNING FACILITIES

Our commitment to sustainability achieved a 6 Star Green Star Education Design Rating for our building.

THE MSD BUILDING has been recognised as a premium teaching facility, winning In the 2016 QS World University Rankings by Subject.

18th IN THE WORLD

ALUMNI NETWORK

ACCESS A NETWORK OF OVER

8,000 Alumni from more than 70 countries

ARCHITECTURE & BUILT ENVIRONMENT

THE UNIVERSITY OF MELBOURNE RANKED

Includes ABP, MSD and Bachelor of Environments alumni.

15 national and international design awards

In the 2016 QS World University Rankings by Subject.

Our commitment to sustainability achieved a 6 Star Green Star Education Design Rating for our building.
MASTER OF ARCHITECTURE

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>Course</th>
<th>Prerequisite</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture Studio A</td>
<td>Construction Methods A</td>
<td>Architectural Cultures 1: Modernism</td>
</tr>
<tr>
<td>Master of Architecture Studio B</td>
<td>Construction Methods B</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>Course</th>
<th>Prerequisite</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture Studio C</td>
<td>Applied Construction Technology</td>
<td>Architecture Elective</td>
</tr>
<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>Master of Architecture Thesis</td>
<td>Architecture Elective</td>
<td>Multidisciplinary Elective</td>
</tr>
</tbody>
</table>

**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 architecture.

**3-year stream:**
- 3 years full-time
- **Intake:** Semester 1 only

**Please note** that the first year of this program must be studied full-time.

**Prerequisites:** Completion of one design studio subject and one subject in art, architecture, built environment or design history at an undergraduate level, or equivalent.

**See page 26 How to Apply**

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

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.

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.
MASTER OF ARCHITECTURAL ENGINEERING

The University is proud to offer this new graduate qualification. Architectural Engineering graduates contribute to the emerging need for professionals whose knowledge spans both disciplines, designing solutions using interdisciplinary thinking for our built environment.

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.

Study mode:
On-campus only – Parkville

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

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.

See page 26 How to Apply

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

Visit study/msd.unimelb.edu.au/programs/master-of-architectural-engineering for program details

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

**FIRST YEAR**  >  pathway for engineering graduates

| Master of Architecture Studio A | Construction Methods A | Architectural Cultures 1: Modernism |
| Master of Architecture Studio B | Construction Methods B | Architectural Cultures 2: After Modernism |

**FIRST YEAR**  >  pathway for architecture graduates

| Earth Processes for Engineering | Engineering Materials | Structural Theory and Design | System Modelling and Design |

**COMMON SECOND AND THIRD YEAR**

| Master of Architecture Studio C | Applied Construction Technology | Structural Theory and Design |
| Master of Architecture Studio D | Engineering Project Implementation | Civil Hydraulics |
| Architectural Practice | Engineering Site Characterisation | Sustainable Infrastructure Engineering | Geotechnical Engineering |
| Master of Architecture Studio E | Twenty-first Century Architecture | Construction Engineering |

**FOURTH YEAR**

| Architectural Engineering Capstone | Sustainable Building | Integrated Design – Infrastructure |
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.
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.

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.

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.

LEARN TO MANAGE THE CONSTRUCTION PROCESS END-TO-END.

To avoid repeating information, please see page 26 How to Apply for program details.
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.

TIM WASTELL
Graduate Construction Manager

Probuild
Graduate programme

Cadetship
Brookfield Multiplex

Master of Construction Management
Melbourne School of Design

Student Architect
McBride Charles Ryan

Bachelor of Environments
Architecture Major [2009–2011]
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
  - Landscape Studio 2: Site and Design
  - Landscape Studio 3: Specialisations
  - Landscape Studio 4: Strategies
  - Landscape Studio 5: Sustainable Urbanism
  - Design Thesis

**ENTRY POINT**

- 2-Year Master of Landscape Architecture (entry with Landscape Architecture major)
  - Landscape Studio 3: Specialisations
  - Landscape Studio 4: Strategies
  - Landscape Studio 5: Sustainable Urbanism
  - Design Thesis
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.

Jenny Yu
Master of Landscape Architect student

Bachelor of Environmental Engineering
Tianjing Chongjian University, China

"MSD is quite strong and advanced in the design field. I have learnt software skills and design ideas from my subjects and peers. The course structure helps me better understand the landscape design process and practices, which will benefit my future career development."
MASTER OF PROPERTY

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.

**See page 26**
How to Apply

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

**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.

**Visit**
study.msd.unimelb.edu.au/programs/master-of-property

**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>Contract Management</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 Data and Tools</th>
<th>Property Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Property Analysis</td>
<td>Statutory Valuation</td>
<td>Multidisciplinary Elective</td>
<td>Property 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>Property Investment</td>
<td>Research Thesis – Property OR Property Industry Internship</td>
<td>Corporate Real Estate Management</td>
<td>Multidisciplinary Elective</td>
</tr>
</tbody>
</table>
PROPERTY VALUATION

KEY INFO

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
- At least one year of documented work experience in Property.

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.

Visit msd.study/msd.unimelb.edu.au/programs/graduate-diploma-in-property-valuation for program details

See page 26 How to Apply

BECOME A CERTIFIED PROPERTY VALUER WITH THIS PROFESSIONAL QUALIFICATION

Graduate Diploma in Property Valuation

Sample course plan – Full Time [part time available]

<table>
<thead>
<tr>
<th>Course</th>
<th>Module</th>
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</thead>
<tbody>
<tr>
<td>Property Law</td>
<td>Property Development</td>
</tr>
<tr>
<td>Statutory Valuation</td>
<td>Advanced Property Analysis</td>
</tr>
<tr>
<td>The Economies of Cities and Regions</td>
<td></td>
</tr>
<tr>
<td>Construction Studies</td>
<td>Resources and Management</td>
</tr>
</tbody>
</table>

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 | Resources and Management
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.

Taking an international perspective on the heritage of buildings, cities and landscapes, the program will explore key heritage issues from around the world, with a particular focus on Australia and the Asia-Pacific region. It introduces students to the integrated skills and knowledge required to contribute to the burgeoning fields of urban and cultural heritage, and is suitable for students from a range of academic backgrounds and cultures.

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.

Key features of the program include the examination of:
- Heritage in a global context, with a focus on the Asia-Pacific
- Heritage and digital technologies
- Heritage, natural disasters and reconstruction
- Urban and landscape heritage
- Heritage interiors and moveable and intangible heritage
- Property, construction and heritage
- Cultural and historical heritage significance
- Indigenous cultural heritage
- Cultural industries, the arts, tourism and heritage.

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.

The program is be coordinated by Professor Kate Darian-Smith with assistance from Professor Philip Goad and staff from the Faculty of Architecture Building and Planning and the Faculty of Arts.

Nested qualifications/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

Please note that the electives listed are only a sample and other electives may be possible.

- Applied Heritage Conservation Techniques
- Twenty-first Century Architecture
- Australian Architecture
- Representing and Remembering Place
- Measured Drawing
- Crisis & Complexity: 1950s Architecture
- Spatial and Political Architectures of Asia
- Culture of Building
- History of Landscape Architecture
- Architectural Conservation in East Asia
- Architectural Finishes
- Communicating the Arts
- Craft in Traditional Asian Architecture
- Cultural Festivals and Special Events
- Communicating the Arts
- Urban Informatics
- Introduction to Materials & Methods
- RESPECT
- Preventative Conservation
- Critical and Curatorial Practices in Design
- Architecture as Spectacle
- Planning Theory and History
- City Lights: Cities, Culture and History
- Architecture and Media.

### 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. It provides graduates with the cross-disciplinary skills to pursue careers locally and globally including:

- 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.

### Heritage internship opportunities

Internships are offered in both short and long formats and are tailored to the unique skills, needs and interests of individual students. All internships are subject to availability, acceptance by the host organisation and approved by the internship subject coordinator.

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### CAITLIN MITROPOULOS

**Community Advocate**  
The National Trust of Australia (Victoria)

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**Information Officer**  
Old Treasury Building Museum

**Master of Urban and Cultural Heritage**  
University of Melbourne

**Bachelor of Arts (Honours)**  
University of Melbourne

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**Intern**  
Chateau de Gudanes Restoration Foundation
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 are capable of seeing the city from multiple viewpoints and who relish working with interdisciplinary teams.

The Master of Urban Design encourages interaction and an appreciation of creativity and difference, which creates an atmosphere of collegiality and common endeavour.

Course specialties
The key quality of the Master of Urban Design is its combined strength of urban design theory and three design studios. Studio projects are always approached as design-research exercises, where innovation and discovery represent a major part of the educational experience. Studios emphasise the importance of place and fieldwork represents a significant component of studio work.

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

ELECTIVES

Urban Design Theory
- Cities Without Slums
- Place, Power and Identity
- Inclusive Cities
- Form and Politics in Architecture

Urban Design Practice
- Building Resilient Settlements
- Building Sustainability
- Contemporary Digital Practice
- Constructed Ecologies
- Design Communications Workshop
- Environmental Design
- Environmental Impact Assessment
- Environmental Systems
- Design Research
- Digital Design Applications
- Flexible Urban Modelling
- GeoDesign Models and Applications
- GIS in Planning, Design and Development
- Healthy Employment Centres Studio
- Interdisciplinarity and the Environment

Urban Planning Issues
- Bushfire and Climate
- Bushfire Urban Planning
- Health Communities
- Housing, Markets, Policy and Planning
- International Property Development
- Participation and Negotiation
- Planning Theory and History
- Public Transport Network Planning
- Sustainable Transport and Public Policy
- Sustainability Governance and Leadership
- The Economies of Cities and Regions
- Transportation, Land Use and Urban Form
- Urban Governance.

Research Methods
- Analytical Methods
- Design Research
- MSD Research Project Short.

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 or MSD Thesis</td>
<td>Urban Design 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:

» Brueary Architects & Urban Designers
» Gerry McLoughin Architect + Urban Design
» Toronto City Planning
» EDAW 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.

Career outcomes

Upon graduation your skills can be applied in a range of urban design and associated planning 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.

CECI BAEZA
Master of Urban Design student

Adjunct Professor, Architecture and Design
Finis Terrae University, Chile

Project Architect
Schmidt Arquitectos Asociados, Chile

Bachelor of Architecture
Finis Terrae University, Chile

“As built environment professionals we are seeking to create human habitats that are fit to live in. I hope we can be socially aware in our work, valuing the importance of living in high quality urban environments for all.”
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

» 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

Visit study.msd.unimelb.edu.au/programs/master-of-urban-planning for program details

The Master of Urban Planning sample course plan

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<td>Land Use and Urban Design</td>
<td>Strategic Planning Studio</td>
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<td>Minor Thesis (Part 1) or MUP Studio (25 points)</td>
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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.

SARAH JEPSEN-MEEK
Master of Urban Planning student

Bachelor of Environments

“I was lucky enough to participate in a Travelling Studio to Bandung, Indonesia. The studio was made up of MSD students studying Architecture, Landscape Architecture, Urban Design and Urban Planning so we were given the chance to work with a wide range of different skill sets, as well as with students in Indonesia. It was such an immersive and challenging experience but definitely worth it!”
RESEARCH HIGHER DEGREES

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

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:

- Architectural 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.

Study mode:
Research-based only
No coursework PhDs available

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

See page 26
How to Apply

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

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.

Design is a purposeful decision making process aimed to transform an existing condition into a desired one. My research investigates the creation of environments for human habitation – the generation of architectural form – as the result of the interactions between the designer’s intentions and contextual constraints. By using evolutionary computation techniques for the generation, visualisation and navigation of a design space, it becomes possible to explicitly represent the consequences and trade-offs of the decisions made throughout the design process.

Under the supervision of Associate Professor Justyna Karakiewicz (Melbourne School of Design) and Associate Professor Michael Kirley (Melbourne School of Engineering) my project takes a multidisciplinary approach to the generation of physical form.

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
- CEO and Co-Founder, CoDesign Studio.

Camilo’s Research Project

CAMILO’S RESEARCH PROJECT

Design is a purposeful decision making process aimed to transform an existing condition into a desired one. My research investigates the creation of environments for human habitation – the generation of architectural form – as the result of the interactions between the designer’s intentions and contextual constraints. By using evolutionary computation techniques for the generation, visualisation and navigation of a design space, it becomes possible to explicitly represent the consequences and trade-offs of the decisions made throughout the design process.

Under the supervision of Associate Professor Justyna Karakiewicz (Melbourne School of Design) and Associate Professor Michael Kirley (Melbourne School of Engineering) my project takes a multidisciplinary approach to the generation of physical form.
CAMILO CRUZ
PhD candidate

Studio Leader + Tutor
University of Melbourne

Junior Lecturer in Urban Design
Faculty of Architecture and Urbanism, University of Chile

Design Associate
Office of Adrian Phiffer
Toronto, Canada

Visualisation Artist
The Flat Side of Design
Toronto, Canada

Master of Urban Design
University of Toronto

Design Associate
Eliash Arquitectura y Urbanismo, Chile

Bachelor of Architecture +
Master of Architecture
P. Catholic University, Chile

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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.

THE UNIVERSITY OF MELBOURNE WAS AWARDED THE HIGHEST ERA RATING FOR RESEARCH PERFORMANCE IN ARCHITECTURE IN THE 2012 Excellence in Research in Australia assessment. The ranking – level 5 – indicates research that is “well above world standard”.

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In the 2012 Excellence in Research in Australia 2012 assessment. The ranking – level 5 – indicates research that is “well above world standard”.
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.

Vocational placements at MSD

Many programs at the Melbourne School of Design offer students the opportunity to undertake a vocational placement or internship as part of their Masters’ degree. 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 co-ordinator and the host organisation.

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

ESTHER ZIEBELL
Master of Landscape Architecture
Intern at Tract Consultants

“The internship was varied and interesting. There wasn’t ever a typical day and that was one of the great things. I worked on a project assessing canopy cover in outer LGAs with another intern. We went through each stage of the project – research, site visits, site analysis, Council meetings, internal meetings and production.”
GLOBAL OPPORTUNITIES

THE UNIVERSITY OF MELBOURNE HAS APPROXIMATELY 135 EXCHANGE PARTNERS IN OVER 30 COUNTRIES ACROSS THE WORLD.

Exchange programs and traveling 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.

The Melbourne School of Design’s Traveling 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.

In 2016 the Melbourne School of Design exhibited X-Ray the City! at the 15th Architecture Biennale, Venice in Palazzo Mora.
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.

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

EQUITY: GRADUATE ACCESS MELBOURNE
Local students who have sustained adverse effects on their academic achievement or are from an underrepresented group can be considered for a CSP or Graduate Access Melbourne Bursary.

APPLICATIONS DEADLINES
Semester 01 – March 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

Pearsons Test of English (Academic)
58-64 inclusive & no communicative skill below 50

Certificate of Advanced English (CAE)
58+ no less than Borderline in each skill

* 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: 2017 per 100 credit points

Australian fee place*
$33,216 AUD

International fee place*
$37,984 AUD

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.

Fees detailed relate to 2017 only and are subject to annual review.

** 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 msd.unimelb.edu.au/fees-funding-and-scholarships

See: msd.unimelb.edu.au/how-apply
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.

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

SUBMIT YOUR APPLICATION ONLINE

Submit your application form and all supporting documentation.
futurestudents.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.

APPLICATION AND OUTCOME TIMELINE

3-6 weeks: Application processing time
2-3 weeks: Application outcome

FEE: 2017 per 100 credit points

Australian fee place
Research and Training Scheme fee exemption
International fee place
$37,984 AUD

FEES detailed relate to 2017 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

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

Certificate of Advanced English (CAE)
67+ no less than Good and Borderline in each other skill

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

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

STEP 01
- 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.

STEP 02
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: msdgradresearch.unimelb.edu.au/
- 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.

STEP 03
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.