

THE BIG BOOK OF

# Built Environment Courses

Victorian Universities

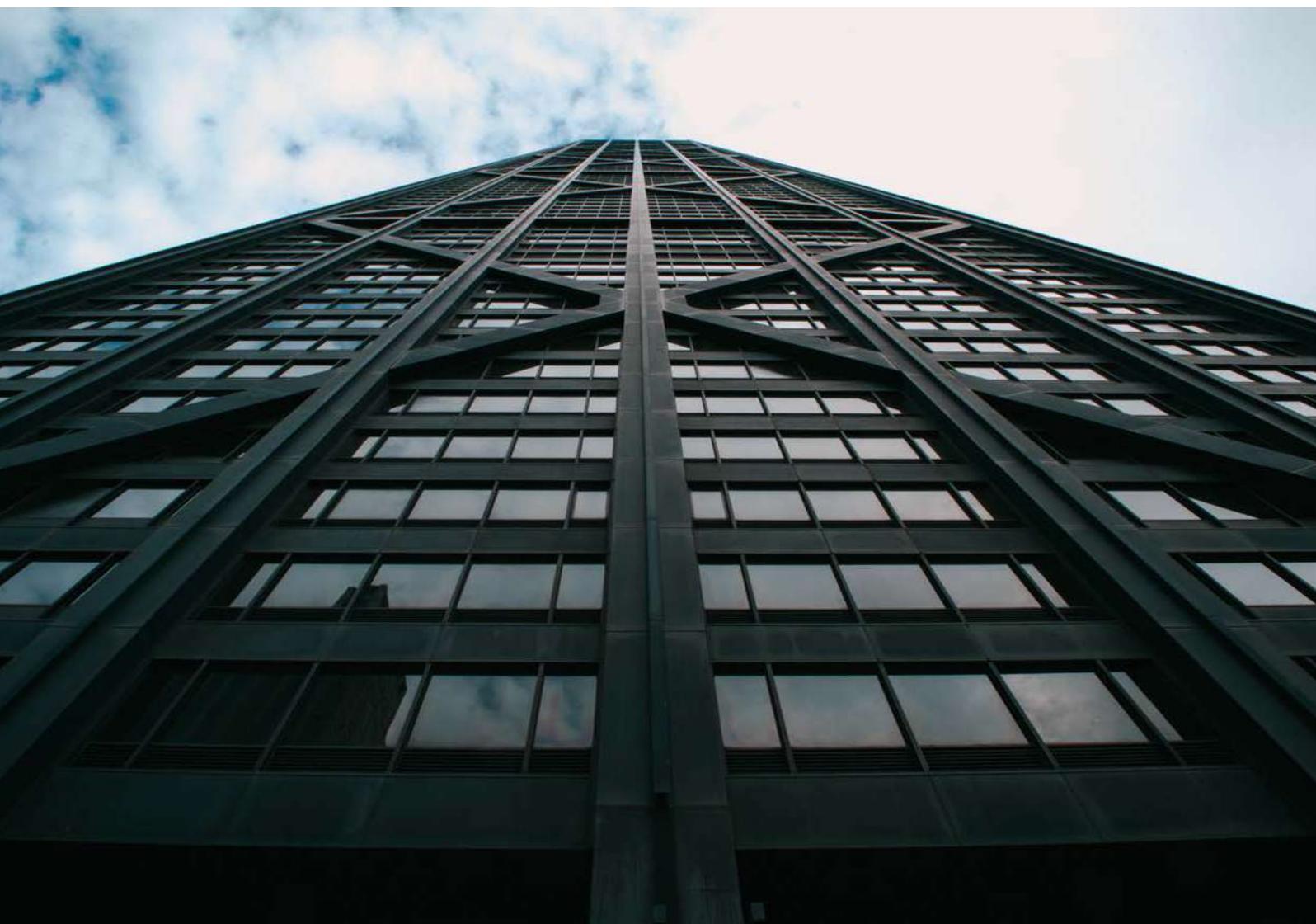
NOVEMBER, 2019

SANDIE MCKOY

CATHOLIC COLLEGE WODONGA







# ARCHITECTURE

## RMIT University

**Bachelor of Architectural Design**, 3-years, Melbourne City, <https://bit.ly/2MoA2Ti>

**Indicative ATAR:** 70.35

**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English.

**Selection task:** will need to complete and submit a selection task. Shortlisted applicants will be required to attend an interview.

**Course information:** "RMIT Architecture has an international reputation for design excellence and leads the way both in Australia and overseas by producing graduates that are design innovators.

This program is the first step to becoming an architect and will help you develop an understanding of architecture providing you with a diverse set of skills and learning experiences.

### How you will learn

RMIT Architecture's highly celebrated design studios are situated within an urban campus, which means you will be immersed a laboratory of design exploration and at the centre of innovation.

From first term, first semester you will be hands-on in design studios developing skills in drawing, 2D and 3D design and learning in an environment that models the best practice of a local or international design firm. Studios are located across the city campus and within the multi award-winning RMIT Design Hub designed by RMIT architecture alumni Sean Godsell.

### International experience

This program has a huge range of international exchange agreements with universities in the USA, Europe and Asia. You'll also have the opportunity to choose design studios that require overseas travel to work with students from international universities such as Berlin, Germany and architecture practices in Shanghai, China.

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**Graduate program:** once completed the 3-year Bachelor of Design (Architecture), progress into the Master of Architecture, 2-years, Melbourne City, <https://bit.ly/2I9MBE0>

## Swinburne University

**Bachelor of Design (Architecture)**, 3-years, Hawthorn, <https://bit.ly/2yDzflB>

**Indicative ATAR:** 70.50.

**Guaranteed ATAR:** applicants who achieve an ATAR of 80 and meet prerequisites will be guaranteed a place in this course.

**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English.

**Course information:** Study at the art and design school ranked in the top 40 in the world. In this course you'll learn architectural design that promotes human health, environmental resilience and innovative, sustainable construction.

With an ATAR of 95+ you'll receive a scholarship.

At Swinburne we believe in getting our students job-ready. That's why we'll help you arrange a six- or 12-month work placement through our Work Integrated Learning program. You'll also study in a simulated-practice environment on real-world projects including social housing, and design for health, and sustainability.

Our flexible course options allow you to enrich and enhance your employability through an advanced minor in related areas such as web design, history/theory, health design, sociology or film.

Graduates will be equipped for mainstream and niche opportunities as a draftperson in built, virtual, and Industry 4.0 environments.

Swinburne is rated highest in Victoria for "overall experience" by undergraduate architecture students (The Good Universities Guide 2019).

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**Graduate program:** once completed the 3-year Bachelor of Design (Architecture), progress into the Master of Architecture, 2-years, Hawthorn, <https://bit.ly/2WcEsGj>

Can also pathway into the 2-year Master of Architecture and Urban Design, <https://bit.ly/2WwFFYg>

# ARCHITECTURE

## Deakin University

**Bachelor of Design (Architecture)**, 3-years, Geelong Waterfront, <https://bit.ly/2K9WinY>

**Indicative ATAR:** 70.25

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

**Combined degree:** Can apply to combine the Bachelor of Design (Architecture) with the Bachelor of Construction Management (Honours), <https://bit.ly/2l1hzMi>

**Course information:** The Bachelor of Design (Architecture) engages with the rich and diverse discipline of architecture.

The course integrates multiple creative and technical fields as well as skillsets that examine and shape the places we inhabit, through all building types, spaces and locations.

You'll explore architectural ideas through cutting edge content, research and a global perspective - gaining practical knowledge studying real-world projects and developing your ability to generate, analyse and communicate your own ideas.

You will produce design concepts whilst being challenged to explore architectural history and philosophy, building science and the environment, construction technologies, computer-aided modelling, drawing, model making and digital fabrications.

This course is the ideal pathway for application to Deakin's Master of Architecture for those interested in seeking employment or becoming a qualified architect.

Graduates are also well-prepared for employment in private architectural practice, with government organisations or private companies in property development, building and design. Graduates have worked in China, Dubai, Oslo, Berlin, Malaysia, America, the UK and the Middle East etc.

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**Graduate program:** once completed the 3-year Bachelor of Design (Architecture), progress into the Master of Architecture, 2-years, Geelong Waterfront, <https://bit.ly/2lgCs82>

## The University of Melbourne

**Entry Point 1: Graduate Degree Package**, <https://bit.ly/2NJ3MNb>

Students who achieve a high ATAR (98+) will be eligible for a place in the following Graduate Degree Package – Bachelor of Design/Master of Architecture.

Students will be guaranteed a Commonwealth Supported Place in the Master of Architecture providing they meet the prerequisite course and entry requirements after completing the Bachelor of Design (majoring in Architecture).

To apply, add the Graduate Degree Package to your VTAC preference list.

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**Entry Point 2: Undergraduate Degree + Master program at the University of Melbourne.**

**Bachelor of Design** (major in Architecture), 3-years, Parkville, <https://bit.ly/2yCJgJG>

**Minimum ATAR:** general entry - 85, Access Melbourne Guaranteed ATAR – 78.

**Prerequisites:** For detailed information on the English and mathematics prerequisites for this course, see the link above.

**Master of Architecture:** once you complete the Bachelor of Design, apply for entry into the Master of Architecture, <https://bit.ly/2Bt6fW6>

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**Entry point 3: Graduate Pathway**

If you don't achieve the ATAR for entry into the Bachelor of Design, you can apply for the Master of Architecture at The University of Melbourne after completing an eligible 3-year Bachelor degree at any university.

**Master of Architecture**, 3 years, Parkville, <https://bit.ly/2Bt6fW6>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# ARCHITECTURE

## Victoria University

**Bachelor of Building Design**, 3-years, Footscray Park, <https://bit.ly/2BGP6IW>

**Indicative ATAR:** the ATAR is not used for selection purposes.

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

**Course information:** Develop an independent and creative approach to building design and learn about the cultural, social, technical and sustainable issues that are associated with the built environment.

As a student in the Bachelor of Building Design, you'll use innovative processes and practices of an architectural design studio to solve problems creatively, and determine solutions for a better future.

Modern computer labs, design studios, site visits and interaction with industry practitioners will take you into 'real life' situations with industry briefs.

In this three-year degree, you will study and develop skills in:

- building design (architectural)
- building legislation and auditing
- building codes
- environmentally sustainable construction techniques and materials
- building services
- professional practice and communication.

These skills will prepare you as a confident and capable building industry professional. You will also take classes alongside students from construction management, building surveying and engineering programs.

By studying in multidisciplinary teams in a studio-based learning environment you will work with allied professions in the building industry right from the beginning of your studies.”

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**Pathway to graduate architecture:** once you complete the three-year Bachelor degree, you can apply for the Master of Architecture at any university that offers this course.

## Melbourne Polytechnic

**Bachelor of the Built Environment**, 3-years, Epping, <https://bit.ly/2ygSVjY>

**Indicative ATAR:** 65.

**Prerequisites:** Minimum study scores of: 25 in any English, and 25 in any Mathematics. Will be required to participate in a selection interview.

**Course information:** The Bachelor of the Built Environment will provide you with advanced knowledge of design and architecture, building construction techniques, client briefs, sustainability principals and substantial knowledge about the practice of architecture.

You will learn the latest theory and techniques from our industry-experienced teachers. Importantly, you will develop a substantial knowledge base around the built environment, design solutions and acquire transferable skills that apply across a range of roles.

You will gain advanced technical skills and a substantial knowledge base including design principles and theories relating to the practice of architecture, be able to create innovate design solutions that respond effectively to client briefs, sustainable principles and that are sympathetic to the surrounding natural and built environments.

Graduates will gain knowledge to articulate appropriate construction techniques, materials and building services into design solutions mindful of ecologically sustainable development and be able to problem-solve using a variety of techniques and tools in order to synthesise and apply knowledge to a range of planning and design tasks of varying size and complexity including architectural and construction firms, ensuring theoretical and practical coverage.

**Pathway to graduate architecture:** The Bachelor of the Built Environment is aligned to the recommendations of the Australian Institute of Architects Standards for Undergraduate Programs in Architecture.

**Graduates:** Graduates from the Bachelor of Built Environment have been admitted to Masters of Architecture programs at Melbourne, Deakin and Swinburne Universities.



# LANDSCAPE ARCHITECTURE

## Deakin University

The University offers a graduate pathway into Landscape Architecture.

**Master of Landscape Architecture**, 2-years, Geelong Waterfront, <https://bit.ly/2VUAZHI>

**Selection criteria:** For detailed information about entry requirements, check the link above.

**Course information:** Focused on sustainability and its economic, social and environmental underpinnings, Deakin's Master of Landscape Architecture has been designed for those who are passionate about becoming a landscape architect driven to improve the quality and development of our towns, cityscapes and regional landscapes.

The course provides students with the opportunity to specialise in project management, ecological sustainability, cultural heritage, urban design, and change management planning.

Distinguishing characteristics of this course include its engagement with ecology, spirit of place, people, Indigenous thought and urban design to inform and craft places of renewal, stimulation, healing and respect.

Graduates will be equipped with the leadership skills to challenge conventional thinking within complex environments as well as the practical skills required to deliver the creation and restoration of landscapes.

**Professional recognition:** This course, professionally accredited by the Australian Institute of Landscape Architects (AILA), has been designed in direct consultation with AILA, potential employers, industry, government and professional representatives, and is co-taught by many of these representatives, to ensure it provides graduates with the knowledge, skills and competencies sought by employers.

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### Suggested Deakin University undergraduate degree

**Bachelor of Design (Architecture)**, 3-years, Geelong Waterfront, <https://bit.ly/2K9WinY>

**Indicative ATAR:** 70.25

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

## RMIT University

**Bachelor of Landscape Architectural Design**, 3-years, Melbourne City, <https://bit.ly/2wn5XOr>

**Indicative ATAR:** not listed – range of entry criteria.

**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English.

**Selection task:** will need to complete and submit a pre-selection kit. Shortlisted applicants will be required to attend an interview.

**How you will learn:** Your studies will centre around design studios which provide a unique way of exploring ideas and creative practice.

Design studio typically makes up half the degree each semester and is taught in small groups. You will focus on a particular design theme and project each semester.

After the first semester, you'll select from a range of studio offerings and learn specific design techniques to develop ideas and outcomes in relation to a project brief. Studios are vertically integrated, i.e. grouped with students from various year levels.

**International experience:** International exchange options are available to Universities in Germany, Denmark, the Netherlands, Spain, France, the United Kingdom, the USA and across Asia.

A range of design studios also offer travelling opportunities overseas to engage in field work, workshops and design projects. Previous locations include Japan, Vietnam, Taiwan, France, Spain and Uganda.

Internship placements are offered to selected students in both the Bachelor of Landscape Architectural Design and Master of Landscape Architecture degrees each year, allowing students to gain work experiences at acclaimed and award-winning practices overseas. Current internship partners include Stoss LU in Boston and EMF in Spain.

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**Graduate program:** once completed the 3-year Bachelor of Landscape Architectural Design, progress into the Master of Landscape Architecture, 2-years, Melbourne City, <https://bit.ly/2Z11ktV>

# LANDSCAPE ARCHITECTURE

## The University of Melbourne

### **Entry Point 1: Graduate Degree Package,** <https://bit.ly/330Cc42>

Students who achieve a high ATAR (96+) will be eligible for a place in the following Graduate Degree Package – Bachelor of Design/Master of Landscape Architecture.

Students will be guaranteed a Commonwealth Supported Place in the Master of Landscape Architecture providing they meet the prerequisite course and entry requirements after completing the Bachelor of Design (majoring in Landscape Architecture).

To apply, add the Graduate Degree Package to your VTAC preference list.

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### **Entry Point 2: Undergraduate Degree + Master program at the University of Melbourne.**

**Bachelor of Design** (major in Landscape Architecture), 3-years, Parkville, <https://bit.ly/2yCJgIG>

**Minimum ATAR:** general entry - 85, Access Melbourne Guaranteed ATAR – 78.

**Prerequisites:** For detailed information on the English and mathematics prerequisites for this course, see the link above.

**Master of Landscape Architecture:** once you complete the Bachelor of Design, apply for entry into the Master of Landscape Architecture, <https://bit.ly/2o87gjy>

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### **Entry point 3: Graduate Pathway**

If you don't achieve the ATAR for entry into the Bachelor of Design, you can apply for the Master of Landscape Architecture at the University of Melbourne after completing an eligible 3-year Bachelor degree at any university.

**Master of Landscape Architecture,** 3 years, Parkville, <https://bit.ly/2o87gjy>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# ARCHITECTURAL ENGINEERING

## Victoria University

**Bachelor of Engineering (Honours) (Architectural Engineering):** 4-years, Footscray Park, <https://bit.ly/32xWKRG>

**Indicative ATAR:** the ATAR isn't used for entry into this course.

**Prerequisites:** minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in any Mathematics.

**Course information:** gain the expertise you need to integrate structural systems into architects' plans, meeting project design, safety and environmental goals.

This course covers the processes behind constructing safe buildings, with an emphasis on sustainable design. It also encompasses elements of other engineering disciplines, including mechanical, electrical and fire protection.

Areas of study include:

- architectural history and design of buildings
- air conditioning, lighting and electrical power distribution
- water supply and distribution
- fire and life safety systems
- sustainable building systems design
- building structures and building construction technology.

**International exchange:** We have the largest international exchange program in Victoria with an extensive network of partners. Architectural engineering students can take advantage of six-month placements at the University of Nebraska in Omaha, home to some of the largest engineering and construction companies in the US, <https://bit.ly/2KSrP97>

**Industry experience:** you will complete 12-weeks of industry experience.

**Professional recognition:** This course is one of only two accredited architectural engineering degrees in Australia, so demand for graduates is high.

**VU Block Model:** learn about the unique block model learning and teaching program at Victoria University, <https://bit.ly/2lzrgld>

## Swinburne University

**Bachelor of Engineering (Honours) (Professional)** (major in Architectural): 5-years, Hawthorn, <https://bit.ly/33YVx65>

**Indicative ATAR:** 80.

Will undertake one-year of paid industry experience.

**Bachelor of Engineering (Honours)** (major in Architectural): 4-years, Hawthorn, <https://bit.ly/2WaZqCr>

**Indicative ATAR:** 75.20.

**Prerequisites for both courses:** minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.

**What Happens When Architecture Meets Engineering?** Engineers are great at technical solutions. Architects are amazing at designing spaces that are right for the user and environment. Put the skillsets together and you get architectural engineers, the superhumans who straddle the divide and excel at better, more holistic answers.

**Combine logic and imagination to engineer awe-inspiring buildings.** Creating the aesthetics of buildings is an incredible feat, but devising the structural systems that keep them soundly in place is an even greater challenge – requiring precision, logic and imagination.

That's why Swinburne offers an innovative architectural engineering course – aimed to give students the theory and flair to enter the industry.

Choose to study architectural engineering at Swinburne, and you'll find yourself immersed in both foundational engineering disciplines in the classroom, and practical projects in studio spaces.

Upon graduation, you'll have the confidence to weave your knowledge in the spaces everyday citizens live and breathe in.

**Industry experience:** Apply your learning in a professionally focused, multidisciplinary project during your final year of study. Undertake at least 12 weeks of relevant professional experience.



# GEOSPATIAL SCIENCE

## Charles Sturt University

**Bachelor of Geospatial Science**, 3-years, Albury-Wodonga, <https://bit.ly/35FMAjL>

**Indicative ATAR:** 70.00

**Assumed knowledge:** Mathematics.

The Bachelor of Geospatial Science from Charles Sturt University equips you to pilot advanced technologies in order to harness the world of data – then use the intelligence to shape our world.

### Career opportunities

**Make a positive environmental impact:** Contribute to a sustainable world through environmental and agricultural analysis and management (including water and land resource management) with local, state or federal government, for catchment management authorities or consultancies.

**Plan for the future:** Shape the future in business analysis and planning including urban planning, census analysis, resource planning and utilities management for government and the corporate sector.

**Provide a human touch:** Support communities through disaster and emergency management, or with the analysis of areas such as health and disease, crime patterns or human migration.

### Why study geospatial science at Charles Sturt University?

**The right skills:** Begin the Bachelor of Geospatial Science with a solid foundation in geographic information science, remote sensing and cartography. Then build your own unique knowledge platform by specialising in information science, mathematics, ecology, geography, agriculture or emergency management.

**Practical, relevant experience:** You'll be solving geospatial problems and diving into work placements from your first year of study.

**A fresh approach:** This course offers you a unique opportunity to focus on geographic information systems (GIS) and remote sensing in a dedicated degree.

## RMIT University

### Undergraduate entry

**Bachelor of Applied Science (Geospatial Science) (Honours)**, 4-years, Melbourne City, <https://bit.ly/2flFceU>

**Indicative ATAR:** 70.85.

**Prerequisites:** Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in any Mathematics.

“This program paves your way for a career in interpreting how location has an impact on the way we interact with the world around us. If we understand where things are and how they are connected, we better understand our world. This is what geospatial science is and this program develops professionals to work in the field.

Geospatial scientists use location as the key to collecting, managing, analysing and interpreting information. It's a specialised discipline, so you'll enjoy the advantage of relatively small class sizes, focused content and staff who are easily accessible”.

### Why study geospatial science at RMIT?

- While you'll find elements of geospatial science in other programs, RMIT offers the only four-year undergraduate program in Victoria.
- The program has international accreditation with the Royal Institution of Chartered Surveyors which also entitles graduates to membership of that Institute.
- Surveying and geospatial science at RMIT actively engages with industry to ensure our programs meet the needs of this rapidly expanding field and our graduates are in high demand.

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### Graduate entry

**Master of Geospatial Science**, 2-years, Melbourne City, <https://bit.ly/2MZzy8i>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# GEOSPATIAL SCIENCE

## The University of Melbourne

In a world where everything is geolocated, a degree in spatial information at Australia's leading university will keep you at the forefront of the Internet of Things, autonomous vehicles and smart cities.

Develop sought-after skills in mapping and visualisation, geographic information systems (GIS), 3D computer visualisations, surveying and satellite image processing. Gain valuable industry experience and be guided by academics who are leading research into disaster management, smart cities and mobility, land management, and surveying.

At Melbourne, we've designed a unique curriculum aligned with the top institutions of the world, ensuring you graduate with the ideal combination of advanced technical and professional skills valued by employers, and a higher level qualification that is recognised globally.

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### Undergraduate course options

Choose one of the following 3-year degrees:

**Bachelor of Design** (major in Spatial Systems), Parkville, <https://bit.ly/2WXoX2p>

**Minimum ATAR:** general entry - 85, Access Melbourne Guaranteed ATAR – 78.

**Bachelor of Science** (major in Spatial Systems), Parkville, <https://bit.ly/2WXoX2p>

**Minimum ATAR:** general entry – 85, Access Melbourne Guaranteed ATAR – 78.

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### Graduate course options

**Master of Engineering (Spatial)**, 3-years, Parkville, <https://bit.ly/2UY67FS>

**Master of Information Technology** (specialise in Spatial), 2-years, Parkville, <https://bit.ly/2pN4f8H>

**Selection Criteria:** for detailed information on entry requirements for both master programs, see the relevant links.

# SPATIAL ENGINEERING

## The University of Melbourne

The University offers a graduate pathway into Spatial Engineering.

**Entry point 1: Graduate Degree Package,**  
<https://bit.ly/330Cc42>

Students who achieve an ATAR of 96+ will be eligible for a Commonwealth Supported Place (CSP) in either of the following Graduate Degree Packages – Bachelor of Science/Master of Engineering (Spatial Science) or Bachelor of Design/Master of Engineering (Spatial Science). Students will be guaranteed a place in the Master of Engineering (Spatial Science) providing they meet the prerequisite course and entry requirements after completing the Bachelor of Science or Bachelor of Design with majors in Spatial Systems.

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**Entry Point 2: Undergraduate Degree + Master program at The University of Melbourne.**

**Choose one of the following 3-year degrees:**

**Bachelor of Design** (major in Spatial Systems),  
Parkville, <https://bit.ly/2yCJgIG>

**Bachelor of Science** (major in Spatial Systems),  
Parkville, <https://bit.ly/2tjM1dw>

Once you complete the Bachelor degree majoring in Spatial Systems, apply for entry into the Master of Engineering (Spatial), <https://bit.ly/2UY67FS>

**Note:** students who achieve a weighted average mark of 65% in one of the above degrees will be guaranteed a Commonwealth Supported Place (CSP) in the Master of Engineering (Spatial Science), provided they meet the pre-requisites and CSP eligibility requirements.

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**Entry point 3: Graduate Pathway.**

If you don't achieve the ATAR for entry into the Bachelor of Design or Science, you can apply for the Master of Engineering (Spatial) after completing an eligible Bachelor degree at any university.

**Master of Engineering (Spatial)**, 3-years, Parkville,  
<https://bit.ly/2UY67FS>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# URBAN DESIGN

## The University of Melbourne

The Master of Urban Design develops professionals who can understand the city as possessing both spatial and temporal elements that interplay in a complex system, and who can design for contemporary challenges such as mass urbanisation and changing climate demands.

Differing from architecture, which focuses on individual buildings and structures, urban design looks at groups of buildings, streetscapes, landscapes and the provision of municipal services, and aims to create harmonious, cohesive spaces.

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**Entry Point 1: Undergraduate Degree + Master program at the University of Melbourne.**

**Suggested University of Melbourne course**

**Bachelor of Design**, 3-years, Parkville, <https://bit.ly/2yCJgIG>

**Minimum ATAR:** general entry - 85, Access Melbourne Guaranteed ATAR – 78.

**Prerequisites:** For detailed information on the English and mathematics prerequisites for this course, see the link above.

**Majors:** choose one of the following majors – Urban Planning, Landscape Architecture or Architecture.

**Master of Urban Design:** Once you complete the Bachelor of Design, apply for entry into the Master of Urban Design, <https://bit.ly/2p3ypo5>

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**Entry point 2: Graduate Pathway**

If you don't achieve the ATAR for entry into the Bachelor of Design, you can apply for the Master of Urban Design at the University of Melbourne after completing an eligible 3-year Bachelor degree at any university.

**Master of Urban Design**, 2-years, Parkville, <https://bit.ly/2p3ypo5>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

## RMIT University

Urban Design is one of the key practices confronting critical issues affecting cities, such as the impacts of climate change, population growth, shifting workplaces, and transformations in industry, technology and infrastructure.

This masters degree at RMIT provides you with a studio-based, multidisciplinary environment to engage these issues through project-based study. You will learn to creatively integrate expertise from related urban disciplines into design proposals, promoting alternative models for future city-building.

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**Entry Point 1: Undergraduate Degree + Master program at RMIT University.**

**Suggested RMIT courses**

**Bachelor of Architectural Design**, Melbourne City, <https://bit.ly/2MoA2Ti>

**Bachelor of Landscape Architectural Design**, Melbourne City, <https://bit.ly/2MDOvhv>

**Master of Urban Design:** Once you complete the Bachelor degree, apply for entry into the Master of Urban Design, <https://bit.ly/31yqTPr>

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**Entry point 2: Graduate Pathway**

If you don't achieve the ATAR for entry into an eligible RMIT Bachelor degree, you can apply for the Master of Urban Design at RMIT University after completing an eligible 3-year Bachelor degree at any university.

**Master of Urban Design**, 2-years, Melbourne City, <https://bit.ly/31yqTPr>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# URBAN DESIGN

## Swinburne University

### Entry Point 1: Undergraduate Degree + Master program at Swinburne University

#### Eligible Swinburne undergraduate courses

Bachelor of Design (Architecture), <https://bit.ly/2yDzflb>

Bachelor of Engineering (Honours), major in Architecture, <https://bit.ly/2vnY9fJ>

Bachelor of Design (Interior Architecture) (Honours) with an advanced minor in Architecture), <https://bit.ly/2SDkK42>

#### Eligible Swinburne graduate courses

Once you complete the undergraduate degree, apply for entry into one of the following 2-year Master programs:

Master of Urban Design: Hawthorn, <https://bit.ly/2CeEp0q>

Master of Architecture and Urban Design: Hawthorn, <https://bit.ly/2WwFFYg>

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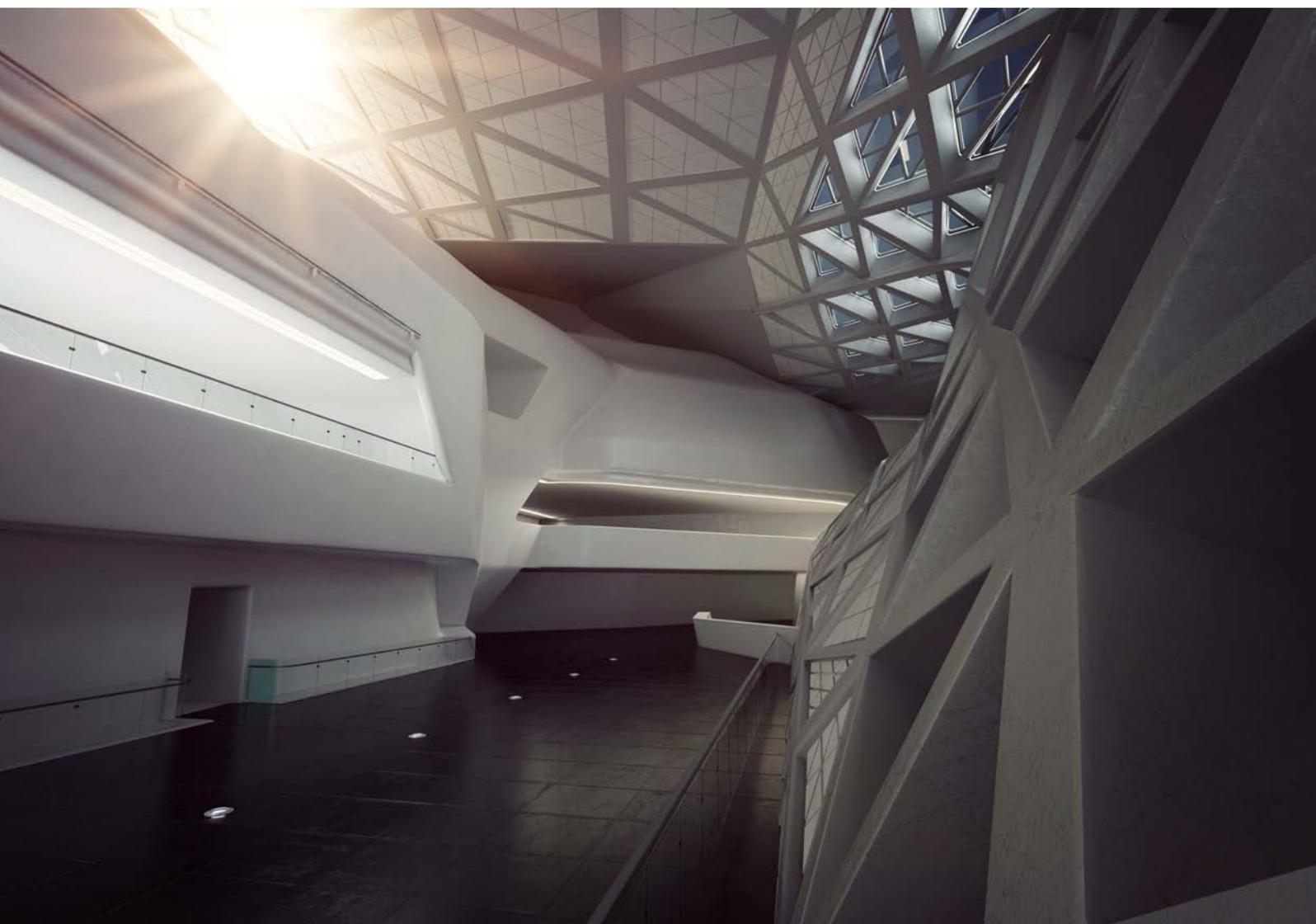
### Entry point 2: graduate pathway

**Master of Urban Design**, 2-years, Hawthorn, <https://bit.ly/2MGIK3o>

**Master of Architecture and Urban Design:** Hawthorn, <https://bit.ly/2WwFFYg>

You can apply for either of the above courses at Swinburne University after completing an eligible 3-year undergraduate architecture degree at any university.

**Selection Criteria:** for detailed information on entry requirements, see the link above.



# INTERIOR DESIGN

## Swinburne University

**Bachelor of Design (Interior Architecture) (Honours)**, 4-years, Hawthorn, <https://bit.ly/2SDkK42>

**Indicative ATAR:** 69.55

**Prerequisites:** Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in one of Art, Interactive Digital Media C or VCE VET Creative & Digital Media, Product Design and Technology, Media, Studio Arts, or Visual Communication Design.

**Course information:** The Bachelor of Design (Interior Architecture) (Honours) provides students with an understanding of the underlying principles and concepts in interior architecture and its applications in a broad range of contexts.

Discover the environments in which we spend our lives and learn how they are formed and fabricated. Apply conceptual processes, creative tools, management strategies and research skills to designing a variety of public and private interior/spatial projects.

Develop a broad repertoire of high-level representation and visualisation skills using industry-standard software programs and technical expertise. Learn to capitalise on new technologies and materials in the construction of indoor and outdoor 3D spaces.

**Careers:** Among other possibilities, graduates of Interior Architecture may pursue careers in: exhibition, furniture, set design, retail, education, hospitality, residential, commercial, high-rise tenancies, community and urban projects.

**Further study:** Graduates are eligible to apply for entry into the Master of Design or a PhD program.

**Professional recognition:** Graduates are eligible to apply to become members of the Design Institute of Australia.

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**Pathway courses** through Swinburne:

- Diploma of Design (UniLink) 2020
- Diploma of Interior Design & Decoration
- Advanced Diploma of Interior Design

## RMIT University

**Bachelor of Interior Design (Honours)**, 4-years, Melbourne City, <https://bit.ly/2K0Z6OH>

**Indicative ATAR:** not listed – range of entry criteria.

**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English.

**Selection task:** will need to complete and submit a pre-selection kit. Shortlisted applicants will be required to attend an interview.

**Course information:** In the 21st century, the definition of 'interior' can no longer be simply equated to the inside of a building. Conditions of interior and interiority are increasingly affected and transformed by contemporary technologies as well as social and cultural forces and relationships.

This program will challenge your assumptions about interior design. You will learn to think and operate like a designer and, studying in a highly creative studio setting, you will learn from distinguished design practitioners.

You will learn to design through the process of responding to a range of design briefs from the conceptual to real-life situations. You will be provided with technical and communication tools such as AutoCAD, 3D imaging, hand-drawing, film production and model making, as well as verbal presentation skills.

Students in third and fourth year will have the opportunity to undertake internships and gain valuable experience with leading design practices in Melbourne and internationally. Your studies conclude with highly-celebrated graduate exhibition INDEX.

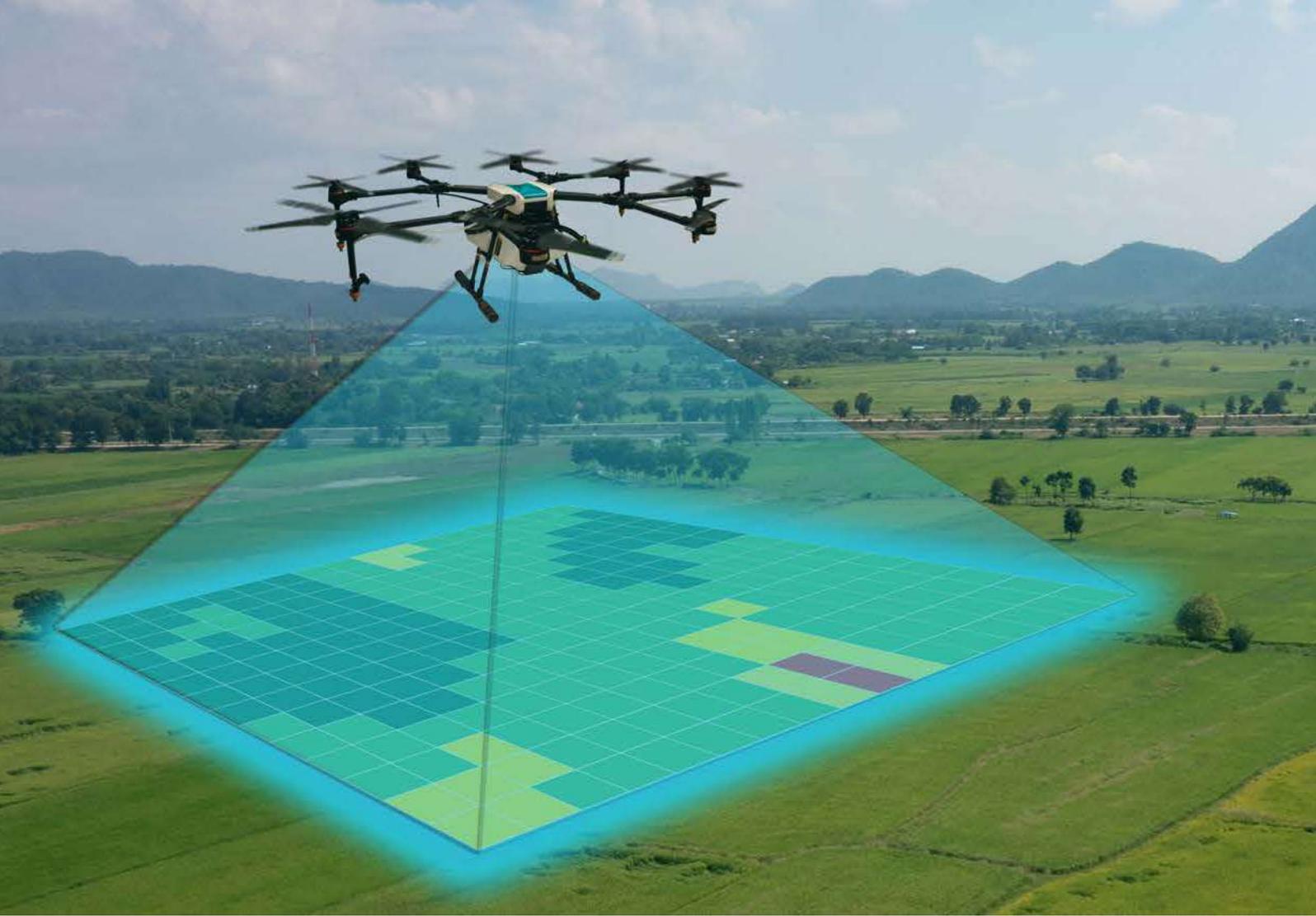
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**Associate Degree in Interior Decoration and Design**, 2-years, Melbourne City, <https://bit.ly/2YZ4auL>

**Indicative ATAR:** not listed – range of entry criteria.

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

**Selection task:** will need to complete and submit a pre-selection kit.



# LAND SURVEYING

## RMIT University

**Bachelor of Applied Science (Surveying) (Honours)**,  
4-years, Melbourne City, <https://bit.ly/2sTcFe7>

**Indicative ATAR:** 70.05

**Prerequisites:** Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in Mathematical Methods or Specialist Mathematics.

RMIT offers the only undergraduate surveying degree in Victoria. It is accredited with local and international surveying organisations and thoroughly prepares you to enter the profession.

Surveyors play a major role in land development, from the planning and design of land subdivision, through to the final construction of the roads, utilities, and landscape planning.

They also play an important part in the construction industry providing detailed design plans for the subsequent construction of roads, freeways, tunnels, bridges, pipelines, and high-rise buildings.

Some surveyors work with mining companies on exploration, mining development, and mining operations. Other surveyors specialise in hydrographical surveys, working with automated position and sounding equipment on survey ships to map the ocean floor.

### Professional accreditation

- Accredited through the Surveyors Registration Board of Victoria.
- Graduates are eligible to apply for membership of The Institution of Surveyors Victoria and the Surveying and Spatial Sciences Institute.
- The program has international accreditation with the Royal Institution of Chartered Surveyors.
- Accredited by the Land Surveyors Board of Malaysia.

**Work experience:** You are expected to complete 60 days of work experience during your program.

## The University of Melbourne

The University offers a graduate pathway into **Spatial Engineering**.

**Entry point 1: Graduate Degree Package**,  
<https://bit.ly/330Cc42>

Students who achieve an ATAR of 96+ will be eligible for a Commonwealth Supported Place in either of the following Graduate Degree Packages – Bachelor of Science/Master of Engineering (Spatial Science) or Bachelor of Design/Master of Engineering (Spatial). Students will be guaranteed a place in the Master of Engineering (Spatial) providing they meet the prerequisite course and entry requirements after completing the Bachelor of Science or Bachelor of Design with majors in Spatial Systems.

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**Entry Point 2: Undergraduate Degree + Master program at The University of Melbourne.**

**Choose one of the following 3-year degrees:**

**Bachelor of Design** (major in Spatial Systems),  
Parkville, <https://bit.ly/2yCJgIG>

**Bachelor of Science** (major in Spatial Systems),  
Parkville, <https://bit.ly/2tjM1dw>

Once you complete the Bachelor degree majoring in Spatial Systems, apply for entry into the Master of Engineering (Spatial), <https://bit.ly/2UY67FS>

**Note:** students who achieve a weighted average mark of 65% in one of the above degrees will be guaranteed a Commonwealth Supported Place (CSP) in the Master of Engineering (Spatial), provided they meet the pre-requisites and CSP eligibility requirements.

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**Entry point 3: Graduate Pathway.**

If you don't achieve the ATAR for entry into the Bachelor of Design or Science, you can apply for the Master of Engineering (Spatial) after completing an eligible Bachelor degree at any university.

**Master of Engineering (Spatial)**, 3-years, Parkville,  
<https://bit.ly/2UY67FS>

**Selection Criteria:** for detailed information on entry requirements, see the link above.



# BUILDING SURVEYING

## Victoria University

**Bachelor of Building Surveying**, 3-years, Footscray Park, <https://bit.ly/29Wv8JX>

**Indicative ATAR:** the ATAR isn't used for entry into this course.

**Prerequisite:** Minimum study score of 25 in English (EAL) or 20 in any other English.

Develop the skills to become a construction-industry professional with a Bachelor of Building Surveying at Victoria University.

This course will give you solid foundation for a wide range of professional roles in the building and construction industry. You'll also develop skills and technical knowledge to become a specialist in:

- building and construction legislation and auditing
- inspection procedures
- building codes and regulations
- industry standards in professional practice
- building safety and design including fire safety
- sustainable construction techniques and materials.

The degree will equip you with the qualification needed to work as a registered building surveyor. Building surveyors are responsible for interpreting and enforcing the laws and regulations that control building and construction. With a current shortage of registered building surveyors, you'll be well placed for a career in Australia's growing construction industry.

We have a number of industry partnerships which inform our courses, provide shared resources, and give you opportunities for workplace learning. Our partners include:

- Engineers Australia
- The Department of Environment, Land, Water and Planning
- VicRoads
- National Measurement Institute.

The building industry has seen significant growth due to factors such as a rising population. Career opportunities for building surveyors have grown dramatically in recent years and are forecast to keep growing. The industry currently faces a huge challenge in addressing a shortage of registered building surveyors.



# CONSTRUCTION MANAGEMENT

## RMIT University

**Bachelor of Applied Science (Construction Management) (Honours)**, Melbourne City, <https://bit.ly/2txL0zc>

**Indicative ATAR:** 80.02.

**Prerequisites:** Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in any Mathematics.

With the need for new residential and commercial developments increasing, and construction jobs on the rise, construction managers are increasingly in demand. Construction managers organise and manage a vast number of people in the building procurement process. They require good people management skills and an ability to work in teams.

A construction management degree qualifies you to work as a:

- site manager, responsible for managing the construction site.
- construction manager, responsible for site management or running entire construction projects ranging from housing through to large multistorey buildings.
- quantity surveyor, assisting with cost planning, analysis, management and control of construction projects.
- projects manager, moving beyond the construction aspects of a project and managing the entire building process from inception, through various stages of design, to completion and handover.

Your skills will also equip you to work in industries beyond construction, including engineering, architecture, economics and law.

**Professional accreditation:** This course is accredited under the following industry bodies:

- Chartered Institute of Building (CIOB)
- Royal Institute of Chartered Surveyors (RICS)
- Australian Institute of Chartered Surveyors (AIQS)
- Australian Institute of Building (AIB).

## RMIT University

**Undergraduate entry**

**Bachelor of Applied Science (Project Management) (Honours)**, Melbourne City, <https://bit.ly/2tOo9iO>

**Indicative ATAR:** 75.

**Prerequisites:** Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in any Mathematics.

This course will give you the theoretical knowledge and practical know-how to take projects from inception to completion. It will arm you with the tools to manage projects across a range of sizes and complexities, and develop your skills for working on projects in various industries.

This program was developed in response to the growing industry demand for project management skills. It is grounded in residential, commercial and industrial construction for civil, environmental and government projects.

During your first year of study you will focus on project management in the built environment, then explore other domains including event management, design and IT.

Project management is a high profile occupation that demands superior multi-tasking, analytical thinking, excellent communication and superior organisational skills.

Graduates of this program will have developed these essential skills to be able to successfully manage projects across all industries.

**Professional accreditation:** This program is accredited by the Royal Institution of Chartered Surveyors (RICS), which is recognised worldwide. RMIT are also seeking professional accreditation from the Project Management Institute (PMI).

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**Graduate entry**

**Master of Project Management**, 2-years, Melbourne City, <https://bit.ly/2MZtz3b>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# CONSTRUCTION MANAGEMENT

## Deakin University

### Undergraduate entry

**Bachelor of Construction Management (Honours)**, 4-years, Geelong Waterfront, <https://bit.ly/2KuSPA4>

**Indicative ATAR:** 60.60.

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

In this course you'll get an excellent understanding of building economics and law, project management, building technology, measurement and estimating, quantity surveying and building practice.

**Professional accreditation:** As a graduate you'll be eligible for professional recognition with the:

- Australian Institute of Building (AIB)
- Australian Institute of Quantity Surveyors (AIQS)
- Chartered Institute of Building (CIOB)
- Royal Institution of Chartered Surveyors (RICS).

Your qualification will be recognised for practice in more than 50 countries, providing a global passport for work in this field in Australia and overseas.

You'll be qualified for roles such as construction manager, estimator, planner and quantity surveyor in a building company or sub-contracting organisation.

Opportunities also exist in the property development and property and maintenance divisions of companies that are responsible for large property portfolios.

**Combined degrees:** students can apply to combine the Bachelor of Construction Management (Honours) with one of the following degrees: Property and Real Estate or Design (Architecture).

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### Graduate entry

- Graduate Diploma of Construction Management
- Master of Construction Management
- Master of Construction Management (Professional)

**Selection Criteria:** for detailed information on courses, and entry requirements, go to <https://bit.ly/2qwq3pr>

## Victoria University

**Bachelor of Construction Management (Honours)**, Footscray Park, <https://bit.ly/2Kfjlrp>

**Indicative ATAR:** the ATAR isn't used for entry into this course.

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

Take a leading role in exciting, large-scale building construction with VU's Bachelor of Construction Management (Honours).

In our honours construction-management degree, you'll learn all the skills needed to manage residential, commercial and industrial projects. You'll gain valuable expertise in the various areas of large-scale building and civil-engineering projects.

Your expertise will let you undertake roles overseeing the building process, from design to development, construction and operation.

You'll graduate with skills in:

- project planning
- cost and quality management
- construction techniques and materials
- building law
- building codes
- industrial relations
- personnel management.

Our industry contacts and our focus on real-world experience ensure you're job-ready when you graduate.

Construction management is a growing profession, and your qualifications will be highly useful and in-demand.

An honours degree helps you fulfil the requirements of the Australian Institute of Building, the targeted accreditation body for this course.

# CONSTRUCTION MANAGEMENT

## The University of Melbourne

### **Entry Point 1: Graduate Degree Package,** <https://bit.ly/330Cc42>

Students who achieve a high ATAR (96+) will be eligible for a place in the Graduate Degree Package – Bachelor of Design/Master of Construction Management.

Students will be guaranteed a Commonwealth Supported Place in the Master of Construction Management providing they meet the prerequisite course and entry requirements after completing the Bachelor of Design (majoring in Construction).

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### **Entry Point 2: Undergraduate Degree + Master program at The University of Melbourne.**

**Bachelor of Design** (major in Construction), 3-years, Parkville, <https://bit.ly/2yCJgIG>

**Minimum ATAR:** general entry - 85, Access Melbourne Guaranteed ATAR – 78.

**Prerequisites:** For detailed information on the English and mathematics prerequisites for this course, see the link above.

Once you complete the Bachelor of Design majoring in Construction, apply for entry into the Master of Construction Management, <https://bit.ly/35Qnq1Z>

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### **Entry point 3: Graduate Pathway**

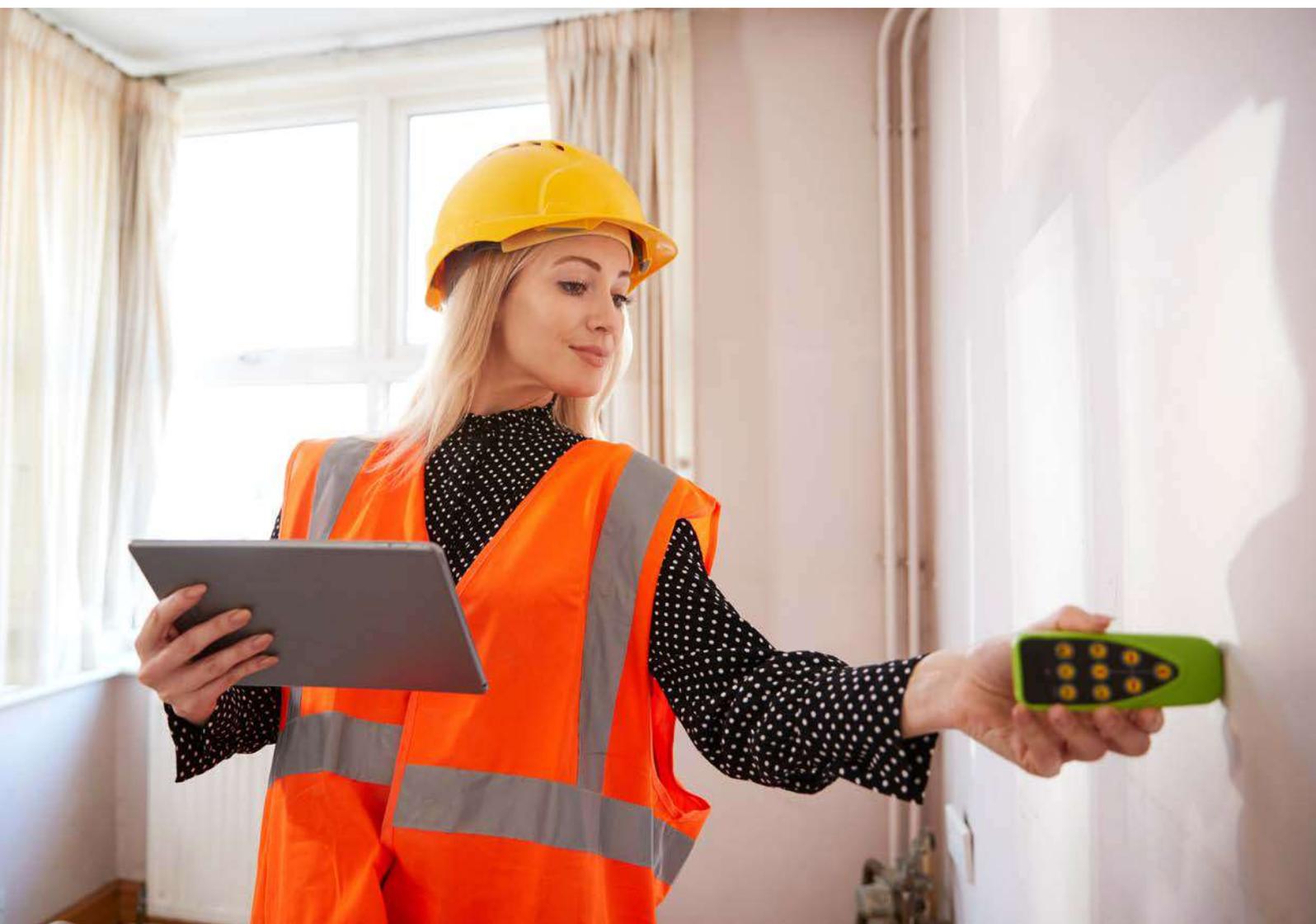
If you don't achieve the ATAR for entry into the Bachelor of Design, you can apply for the Master of Construction Management at The University of Melbourne after completing an eligible Bachelor degree at any university.

**Master of Construction Management**, 2-years, Parkville, <https://bit.ly/35Qnq1Z>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

### **Professional Accreditation**

- Australian Institute of Building (AIB)
- Royal Institution of Chartered Surveyors (RICS)
- Australian Institute of Quantity Surveyors (AIQS)



# REAL ESTATE | PROPERTY

## Deakin University

### Undergraduate pathway

**Bachelor of Property and Real Estate**, 3-years, Burwood Melbourne and Cloud (online), <https://bit.ly/2dMSGH0>

**Indicative ATARs:** Burwood Melbourne – 70, Cloud – not published.

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

The Bachelor of Property and Real Estate prepares graduates for a career in property development, property valuation, financial management and a wide array of property-related professions.

The course offers core streams in property development, valuation and property market analysis with supporting units comprising business law, accounting and economic principles. Major sequences are available in financial management, global finance or sustainability.

The course has close links with professional bodies and is well regarded by industry. Students in this course undertake 'real life' education with a focus on current issues and relevant topics in the property industry.

**Professional accreditation:** The Bachelor of Property and Real Estate has professional accreditation by the:

- Australian Property Institute (API)
- Royal Institution of Chartered Surveyors (RICS).

Graduates will meet the academic requirements to be eligible for registration as a Certified Practising Valuer (CPV).

**Combined degrees:** Students can apply to combine the Bachelor of Property and Real Estate with one of the following degrees: Commerce, Laws, or Construction Management (Honours).

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### Graduate entry

- Graduate Certificate of Property
- Graduate Diploma of Property

**Selection Criteria:** for detailed information on courses, and entry requirements, go to <https://bit.ly/33PsDVR>

## RMIT University

### Undergraduate entry

**Bachelor of Applied Science (Property and Valuation) (Honours)**, 4-years, Melbourne City, <https://bit.ly/2Q25LwX>

**Indicative ATAR:** 75.15.

**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English. Minimum study score of 20 in any Mathematics.

This honours degree establishes deep understanding and knowledge in property development, asset management, valuation, funds management and investment for property industry careers.

RMIT's Bachelor of Applied Science (Property and Valuation) (Honours) will provide you with thorough understanding of the property sector, and allow you to specialise in all subsets of property and valuation.

The degree focuses on developing critical skills to understand the features and characteristics of a diverse range of property types and investment instruments.

More than four decades of experience in property education, and active connection with the property industry, gives RMIT's Property and Valuation teaching staff strong insight into trends occurring within the property professions.

**Professional accreditation:** This program is accredited by the Australian Property Institute (API) which has reciprocity agreements with countries like Canada, Hong Kong, New Zealand, Malaysia and Singapore, and membership with the Royal Institution of Chartered Surveyors (RICS) which is recognised worldwide.

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### Graduate entry

**Master of Property**, 2-years, Melbourne City, <https://bit.ly/2MAbWbh>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# REAL ESTATE | PROPERTY

## TAFE NSW

**Bachelor of Property Valuation**, 3-years, Albury-Wodonga, <https://bit.ly/2pm6BLH>

**Indicative ATAR:** ATAR isn't used for entry into this course.

**Recommended study:** Mathematics (any).

**Selection criteria:** completion of the VCE or HSC, 500-word essay and interview.

The Bachelor of Property Valuation is a three-year professional degree that prepares graduates to work as a valuer in residential, commercial and public sectors, both in Australia and overseas.

The Bachelor of Valuation is Australia's only specialist property valuation degree and has been developed with the support of the Office of the NSW Valuer General, the NSW Office of Fair Trading and the Australian Property Institute.

The degree focuses on the skills required for working professionally as a property valuer while ensuring graduates have a thorough understanding of the principles that underpin the realisation of valuation concepts, including background and preparation for a number of specialised areas of valuation practice.

The course includes interaction with industry experts, site visits and field trips to enhance the practical learning experience.

**Professional accreditation:** This program is accredited by the Australian Property Institute (API). Graduates can practice as a registered valuer in NSW, and to apply for membership of a range of national and international property industry professional associations.

**How to apply:** apply directly to TAFE NSW at this link - <https://bit.ly/2pm6BLH>

## The University of Melbourne

**Entry Point 1: Graduate Degree Package**, <https://bit.ly/330Cc42>

Students who achieve a high ATAR (96+) will be eligible for a place in the Graduate Degree Package – Bachelor of Design/Master of Property.

Students will be guaranteed a Commonwealth Supported Place in the Master of Property providing they meet the prerequisite course and entry requirements after completing the Bachelor of Design (majoring in Property).

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**Entry Point 2: Undergraduate Degree + Master program at The University of Melbourne.**

**Bachelor of Design** (major in Property), 3-years, Parkville, <https://bit.ly/2yCJgIG>

**Minimum ATAR:** general entry - 85, Access Melbourne Guaranteed ATAR – 78.

**Prerequisites:** For detailed information on the English and mathematics prerequisites for this course, see the link above.

Once you complete the Bachelor of Design majoring in Property, apply for entry into the Master of Property, <https://bit.ly/31B9iGk>

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**Entry point 3: Graduate Pathway**

If you don't achieve the ATAR for entry into the Bachelor of Design, you can apply for the Master of Property at the University of Melbourne after completing an eligible Bachelor degree at any university.

**Master of Property**, 2-years, Parkville, <https://bit.ly/31B9iGk>

**Selection Criteria:** for detailed information on entry requirements, see the link above.



# URBAN & REGIONAL PLANNING

## La Trobe University

**Bachelor of Urban, Rural and Environmental Planning**, 4-years, Bendigo, <https://bit.ly/2K9KqQY>

**Indicative ATAR:** 62.4

**Prerequisites:** Minimum study score of 25 in English (EAL) or 20 in any other English.

**Regional Benefits Program:** guaranteed entry and a scholarship of up to \$5000 per year with an ATAR of 80 and above, (for regional students applying to study at the Bendigo campus), <https://bit.ly/2IDU9h5>

**Course information:** This degree - one of only three Victorian undergraduate planning courses accredited by the Planning Institute of Australia - gives you the opportunity to shape communities and establish peaceful, productive and environmentally sustainable places to live.

You'll explore a range of ways to improve how we live and interact, from policy planning and local politics to urban design and transport. Articulating a vision and promoting the benefits of change are important to effective planning. That's why we focus on communication skills like mediation, negotiation and community relations as part of this course.

Another core aspect of your studies will be travelling to communities to learn and evaluate what works and what doesn't. Our students participate in field trips to a range of locations, from country towns in rural Victoria to metropolitan cities in Asia and Europe.

Throughout your degree, you'll take part in hands-on projects, including semester-long activities and short visits to communities. This type of experience goes beyond a work placement or research project, giving you the chance to make a genuine difference within a community.

Just one example is the bicycle path from our Bendigo Campus to the Bendigo Hospital - a student-led project that was commended in the Outstanding Tertiary Student Project Borrie Prize, which celebrates practice, leadership and achievement in planning.

**Professional recognition:** The Bachelor of Urban, Rural and Environmental Planning is accredited by the Planning Institute of Australia until 2021.

## RMIT University

**Undergraduate pathway**

**Bachelor of Urban and Regional Planning (Honours)**, Melbourne City, 4-years, <https://bit.ly/2VQoZa5>

**Indicative ATAR:** 70.35

**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English.

**Course information:** Urban and regional planning is more than just creating physical environments – it's a way of sustainably changing and shaping the world.

This degree is suitable for anyone with a passion for geography, urban design, history, economics, politics or environmental studies. You'll learn to understand the influences that affect the way we live, work, play and commute, and consider the many factors involved in creating sustainable and liveable cities and regions.

While this program focuses on Melbourne and its surrounds, you will be introduced to planning practices across the world. You will be involved in many real-life projects with leading practitioners.

**Industry experience**

In your final year, you will undertake a 30 to 60-day work placement. Placements include working in strategic, statutory and social planning in local or state governments or the private sector. Placements can lead to full-time work after graduation.

**Professional recognition:** The RMIT urban and regional planning program is accredited by the Planning Institute of Australia.

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**Graduate pathway**

**Master of Urban Planning and Environment**, 2-years, Melbourne City, <https://bit.ly/2J7igVy>

**Selection criteria:** For detailed information on entry requirements, see the link above.

# URBAN & REGIONAL PLANNING

## The University of Melbourne

### Entry Point 1: Graduate Degree Package,

<https://bit.ly/32kNVcZ>

Students who achieve a high ATAR (96+) will be eligible for a place in one of the following Graduate Degree Packages – Bachelor of Design/Master of Urban Planning or Bachelor of Arts/Master of Urban Planning.

Students will be guaranteed a Commonwealth Supported Place in the Master of Property providing they meet the prerequisite course and entry requirements after completing the Bachelor of Design (majoring in Urban Planning) or Bachelor of Arts.

To apply, add the Graduate Degree Packages to your VTAC preference list.

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### Entry Point 2: Undergraduate Degree + Master program at the University of Melbourne.

#### Suggested University of Melbourne course

**Bachelor of Design** (major in Urban Planning), 3-years, Parkville, <https://bit.ly/2yCJgIG>

**Minimum ATAR:** general entry - 85, Access Melbourne Guaranteed ATAR – 78.

**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English.

Once you complete the Bachelor of Design or another University of Melbourne degree, apply for entry into the Master of Urban Planning, <https://bit.ly/2BsOWVd>

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### Entry point 3: Graduate Pathway

If you don't achieve the ATAR for entry into the Bachelor of Design or Bachelor of Arts, you can apply for the Master of Urban Planning at the University of Melbourne after completing an eligible 3-year Bachelor degree at any university.

**Master of Urban Planning**, 2-years, Parkville, <https://bit.ly/2BsOWVd>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# DISASTER DESIGN

RMIT University

**Master of Disaster, Design and Development,**  
2-years, Melbourne City, online, <https://bit.ly/30MvXR4>

**Selection criteria:**

- You must have successfully completed an Australian bachelor degree (or equivalent overseas qualification) demonstrating knowledge and skills in Design, Built Environment, Project Management, Engineering, Social Sciences, Communication or Health.
- CV, Personal Statement

**Course information:** Explore how design can be used as a strategic tool to help resolve complex global challenges, including poverty, natural disasters, civil conflict and climate change.

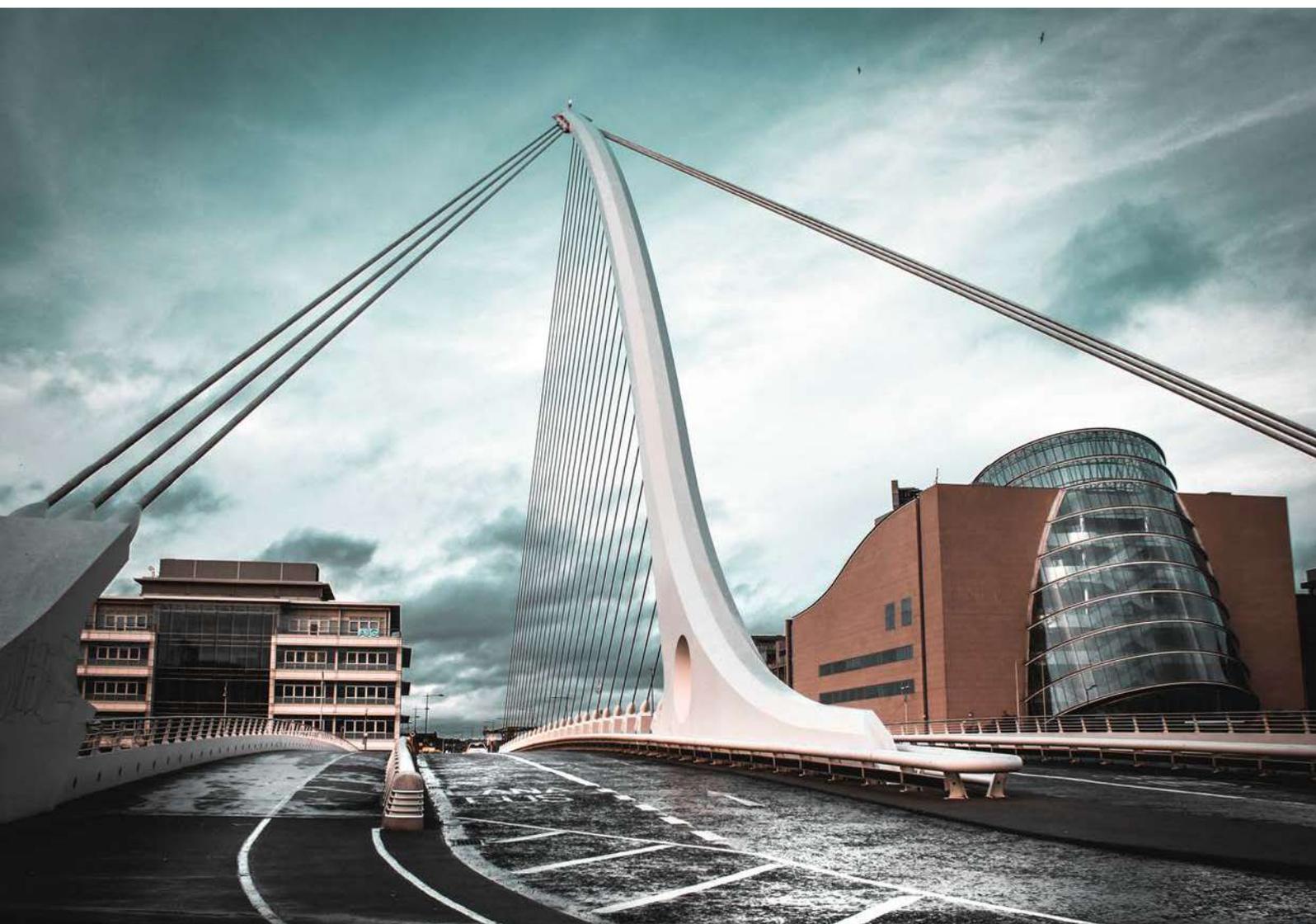
The Master of Disaster, Design and Development (MoDDD) sits within the world-leading prestigious school of Architecture and Urban Design at RMIT, and is a cross disciplinary degree that will enable you to work locally and internationally in the disaster, design and development sector.

Become an innovative leader in your field and help shape social change.

MoDDD was developed in close collaboration with industry connections in the humanitarian sector, including the International Federation of Red Cross and Red Crescent Societies (IFRC), World Vision International and UNHabitat and UNHCR; all agencies who remain active within the program.

The transformative interdisciplinary nature of the degree invites students from different backgrounds in social science, engineering, design, communication or health to harness their skills in complex systems thinking to transition to many possible career pathways within this sector from climate change adaptation, urban resilience to disaster relief and humanitarian assistance.

This unique Masters program provides you with a range of flexible study options to suit both local, interstate and international (offshore only) students. The program is delivered fully online, but you will also have the opportunity to attend intensive seminars in the Melbourne region. The program also offers optional international field trips.



# CIVIL ENGINEERING

## RMIT University

### Bachelor of Engineering (Civil and Infrastructure)

(Honours): 4-years, Melbourne City,  
<https://bit.ly/2joVfS5>

**Indicative ATAR:** 80.05.

**Prerequisites:** minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.

**Course information:** Study a civil and infrastructure degree. Be at the forefront of engineering education designed to satisfy industry demand. You'll be able to specialise in civil infrastructure projects, geotechnical works, structures, transport or water resources. There's also a broad range of electives so you can customise your studies to suit your interests.

You'll have the opportunity to design creative solutions through inspiring and sustainable design and build projects, as well as taking part in the Engineers Without Borders Challenge - a humanitarian-focused course offered in all RMIT engineering degrees.

**Careers:** Civil and infrastructure engineers plan, design, construct, supervise, manage and maintain the essential infrastructure of our modern community. This includes roads, bridges, water supply schemes, sewerage systems, transportation systems, harbours, airports, railways, factories and large buildings. They look at ways to extend the life of existing structures through fault identification and establishing proactive maintenance schedules.

They aim to be responsive to wider community needs and reflective of the values that relate to the economic, environmental and social impacts of projects. Civil engineers work as project managers, design engineers and engineering asset managers with consultancies, local government, road authorities, mining companies and construction companies.

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**Pathway courses,** <https://bit.ly/2qEfRv7>

**Associate Degree in Engineering Technology** (major in Civil Engineering), 2-years, Melbourne City.

**Advanced Diploma of Engineering Technology (Civil Engineering Design),** 2-years, Melbourne City.

## Swinburne University

### Bachelor of Engineering (Honours) (Professional)

(major in Civil or Construction): 5-years, Hawthorn,  
<https://bit.ly/1OhtLs6>

**Indicative ATAR:** 80.

Will undertake one-year of paid industry experience.

**Bachelor of Engineering (Honours)** (major in Civil or Construction): 4-years, Hawthorn, <https://bit.ly/2vnY9fJ>

**Indicative ATAR:** 75.20.

**Prerequisites:** minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.

#### Relevant majors

**Civil:** Gain technical expertise and management skills needed to plan, design, construct and maintain infrastructure such as buildings, bridges, dams, water supply systems, waste treatment systems, road and rail networks, airports and seaports.

**Construction:** gain technical expertise and management skills needed to plan, design, construct and maintain facilities such as buildings, bridges, dams, water supply systems, waste treatment systems, road and rail networks, airports and seaports. Learn comprehensive theory and gain practical experience in construction engineering and management areas.

**Industry experience:** Undertake at least 12 weeks of relevant professional experience.

**Professional recognition:** Graduates are eligible to apply for graduate membership of Engineers Australia.

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**Pathway courses,** <https://bit.ly/2vqKruj>

### Associate Degree in Engineering Technology

(specialise in Civil), 2-years, Hawthorn.

**Diploma of Engineering (Unilink),** 8-months, Hawthorn

**Advanced Diploma of Engineering Technology (Civil Engineering Design),** 2-years, Hawthorn.

# CIVIL ENGINEERING

## Deakin University

### Undergraduate pathway

**Bachelor of Civil Engineering (Honours):** 4-years, <https://bit.ly/2WbHyHC>

**Indicative ATARs:** Melbourne Burwood – 71.90, Geelong Waurn Ponds – 63.40. Cloud - NP.

**Prerequisites:** minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.

**Course information:** Explore a diverse range of civil engineering disciplines related to structural, water, geotechnical, transportation engineering and civil engineering materials, then put the theory you learn into practice in Deakin's world-class, multi-million-dollar engineering facility, Centre for Advanced Design in Engineering Training (CADET). CADET gives you access to some of the best engineering facilities in Australia. You'll also be able to get hands-on experience in Deakin's civil and structural laboratories and realise and validate your designs through combinations of computer simulation and testing.

Key facilities available to Deakin's civil engineering students include geotechnical (soil and rock) testing lab, hydraulics and hydrology lab, and two structural testing laboratories. Students can also access a range of other facilities including 3D printers, a materials science corrosion and polymer lab, concrete and structural testing facilities and CNC machining centres.

Through project-oriented design-based learning (PODBL), you'll spend 50 per cent of every trimester learning via team-based projects, in which you take real-world industry problems and research, design, test and evaluate solutions, with the support of an academic. There is also a variety of overseas study opportunities for Engineering at Deakin. We offer study tours and work integrating learning experiences in many countries; including Malaysia, China, Sweden and others.

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### Graduate entry

**Master of Engineering (specialise in Civil),** 2-years, Geelong Waurn Ponds, <https://bit.ly/31G25F9>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

## Victoria University

**Bachelor of Engineering (Honours) (Civil Engineering):** 4-years, Footscray Park, <https://bit.ly/2zY4e44>

**Indicative ATAR:** The ATAR isn't used for entry into this course.

**Prerequisites:** minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in any Mathematics.

**Course information:** This course covers the planning, design, construction and management of essential infrastructure. This includes:

- commercial and industrial buildings
- water supply and wastewater systems
- irrigation, drainage and flood protection systems
- bridges, roads and transport systems
- port harbour and airport facilities.

VU's civil engineering graduates are known in the industry as well-rounded, accredited engineers. Our focus on practical teaching and work experience will have you job-ready on graduation.

As a civil engineer, you can run your own practice, or find work in a wide range of government departments, private consulting firms, or major construction companies. Consulting and contract engineering roles include planning and design, operations and construction.

**International exchange:** We have the largest international exchange program in Victoria with an extensive network of partners, <https://bit.ly/2KSrP97>

**Industry experience:** you will complete 12-weeks of industry experience.

**Professional recognition:** accredited by Engineers Australia.

**VU Block Model:** learn about the unique block model learning and teaching program at Victoria University, <https://bit.ly/2lzrgld>

# CIVIL ENGINEERING

## University of Melbourne

**Entry Point 1: Graduate Degree Package,**  
<https://bit.ly/330Cc42>

Students who achieve a high ATAR (96+) will be eligible for a place in one of the following Graduate Degree Packages – Bachelor of Design/Master of Engineering or Bachelor of Science/Master of Engineering.

Students will be guaranteed a Commonwealth Supported Place in the Master of Engineering providing they meet the prerequisite course and entry requirements after completing the Bachelor of Design (major in Civil Systems) or Science (major in Civil Systems).

To apply, add the Graduate Degree Package/s to your VTAC preference list.

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**Entry Point 2: Undergraduate Degree + Master program at the University of Melbourne.**

**Bachelor of Design** (major in Civil Systems), 3-years, Parkville, <https://bit.ly/2yCJgIG>

**Bachelor of Science** (major in Civil Systems), 3-years, Parkville, <https://bit.ly/2tjM1dw>

Once you've completed either Bachelor degree, apply for entry into one of the following Master programs:

- Master of Engineering (Civil)
- Master of Engineering (Civil with Business)
- Master of Engineering (Structural)

**Information and selection criteria:** for courses above, <https://bit.ly/31Df0YF>

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**Entry point 3: Graduate Pathway**

If you don't achieve the ATAR for entry into the Bachelor of Design or Science, you can apply for one of the Master programs listed below after completing an eligible 3-year Bachelor degree at any university.

- Master of Engineering (Civil)
- Master of Engineering (Civil with Business)
- Master of Engineering (Structural)

**Information and selection criteria:** for courses above, <https://bit.ly/31Df0YF>

## La Trobe University

**Undergraduate entry**

**Bachelor of Civil Engineering (Honours):** 4-years, <https://bit.ly/2rFuex6>

**Indicative ATARs:** Melbourne Bundoora – 67.60, Bendigo – 67.30.

**Prerequisites:** minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.

**Regional Benefits Program:** guaranteed entry and a scholarship of up to \$5000 per year with an ATAR of 80 and above, (for regional students applying to study at the Bendigo campus), <https://bit.ly/2IDU9h5>

**Course information:** La Trobe's Bachelor of Civil Engineering will help you meet the diverse challenges of civil engineering anywhere in the world. Learn the basics of electrical, mechanical and electronic engineering.

Gain in-depth knowledge of geotechnical, hydraulic, transport and structural engineering. You'll be equipped to think and act beyond the boundaries of traditional engineering and deliver sustainable, creative solutions to complex technical problems.

**Industry experience:** Gain industry experience, with the opportunity for a six-month work integrated learning (WIL) supported by a \$10 000 scholarship. Scholarships are guaranteed for Bendigo students and granted to Melbourne students on a competitive basis.

**Professional recognition:** Become eligible for membership with Engineers Australia.

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**Graduate entry**

**Master of Engineering (Civil),** 2-years, Melbourne Bundoora, <https://bit.ly/2YlrFZt>

Graduate ready for a career as a structural, construction and/or geotechnical engineer.

**Selection Criteria:** for detailed information on entry requirements, see the link above.

# CIVIL ENGINEERING

## Federation University

### Undergraduate pathway

**Bachelor of Engineering (Civil) (Honours)**, 4-years, <https://bit.ly/2KgEbYT>

**Indicative ATARs:** Ballarat – Mount Helen, Gippsland – Churchill, ATARs not published.

**Guaranteed ATAR:** If you receive an ATAR of 60.00 or higher and complete all the requirements for this course, you will be guaranteed an offer.

**Prerequisites:** minimum study scores of: 20 in any English; and 20 in one of Mathematical Methods or Specialist Mathematics.

**Course information:** Civil engineers work with other experts like builders, architects and clients to ensure that structures are safe, economical and environmentally-sound. You'll find out how to prevent flooding, design irrigation systems, and build multistoreyed buildings. It's these skills that may see you specialise in structural engineering, geotechnical engineering, transport engineering, water engineering or infrastructure management.

You'll learn problem-solving skills, analytical skills and you'll also understand the environmental, social and political aspects that will impact your career as a civil engineer. In the final year of the course you will have the opportunity to undertake a specialisation in structural or water and wastewater engineering."

**Industry Placement Program:** Students take part in a two-year professional development program and receive up to 26 weeks placement and up to \$15,000 industry scholarship, <https://bit.ly/2p1OgDB>

**Scholarship:** Earn an ATAR of 80+ and you will be eligible for a Federation High Achievers Scholarship, <https://bit.ly/2CtBONy>

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### Graduate pathway

**Master of Engineering Technology (Civil)**, 2-years, Ballarat – Mount Helen, <https://bit.ly/2P7qMrx>

**Selection Criteria:** for detailed information on entry requirements, see the link above.

## Melbourne Polytechnic

**Bachelor of Engineering Technology (Civil) (Honours)**, 4-years, Epping, <https://bit.ly/2BcnKu9>

**Indicative ATAR:** 50.

**Prerequisites:** minimum study scores of: 25 in any English; and 25 in one of Mathematical Methods or Specialist Mathematics. Applicants lacking the maths prerequisite will be required to take a bridging course.

**Course information:** Would you like a career in structural engineering, municipal engineering or construction management? Our degree will get you ready to not only work in the industry, but to one day lead it.

The program offers specialisation in one of its major streams:

### Structural Engineering

Within this stream you will be specialising in the design of concrete, steel and timber structures. Graduates of this stream will have an opportunity to complement the work of architects in designing large buildings and sky scrapers.

Structural engineers can work in: bridge design, highway structures, hydraulic structures, oil, gas and mineral exploration, and utilisation facilities.

### Municipal Engineering/Transportation

Municipal engineers are responsible of specifying, designing, constructing and maintaining: public walkways, water supplies and drainage networks, waste management systems, town planning and subdivision.

Transportation engineers are responsible for designing, testing and improving transportation systems to avoid traffic congestion and ensure easy flow of traffic through the network.

### Construction Management

Construction Engineers are often required in the planning, construction and management of large infrastructure projects such as: highways, airports, ports and dams, bridges, mines and complex building projects.