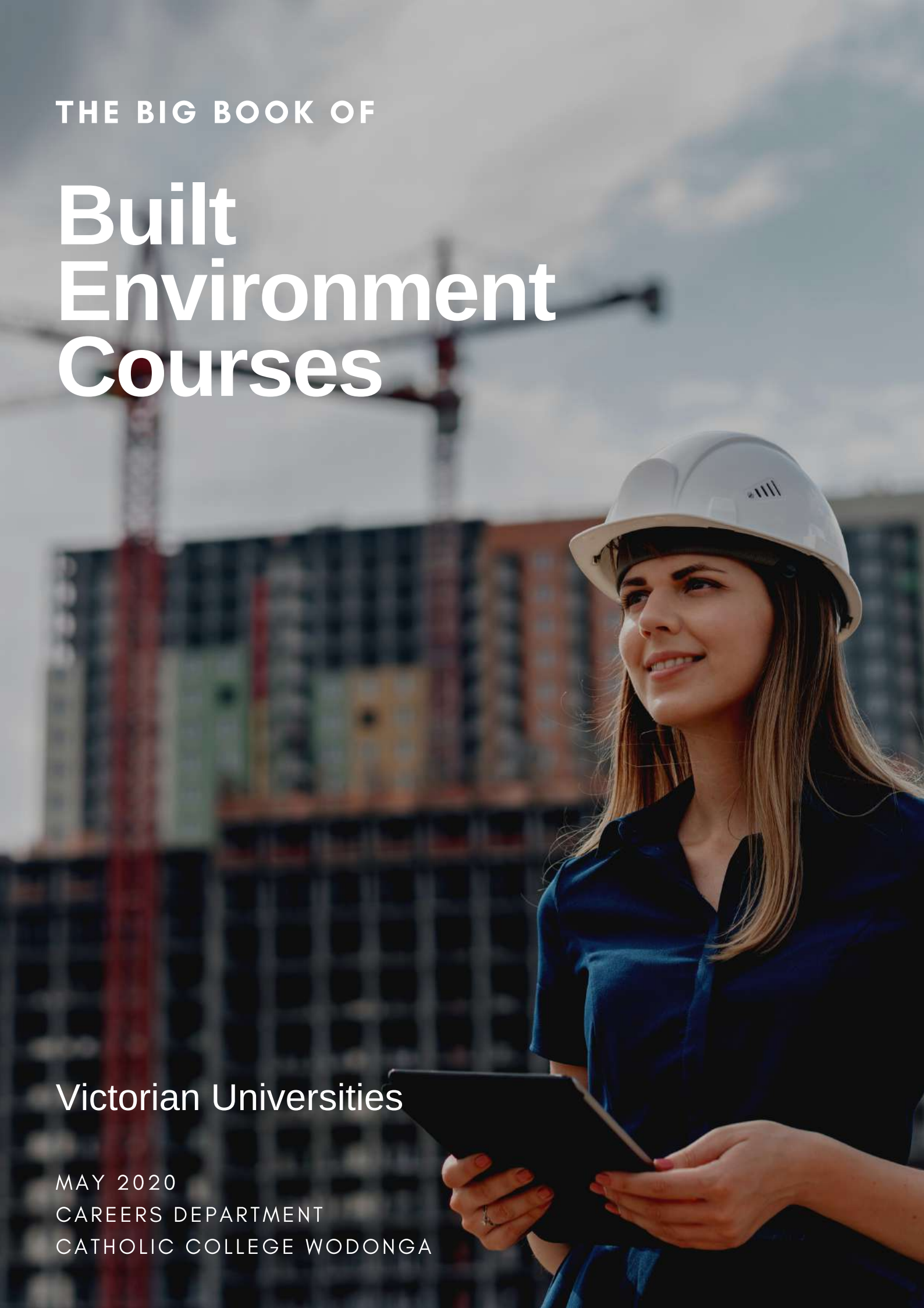


THE BIG BOOK OF

Built Environment Courses

Victorian Universities

MAY 2020

CAREERS DEPARTMENT
CATHOLIC COLLEGE WODONGA

INTRODUCTION

This document has been developed to assist domestic high school students and their families in researching selected built environment courses in Victoria. Courses listed are from Government funded universities.

Please note that in the response to the COVID-19 pandemic, some universities are working on alternative admissions schemes for the 2021 intake that consider the potential impact of remote learning on the ATAR. Please use entry requirements listed in this document as a guide only and check university websites for updates.

Indicative ATAR = the lowest selection rank (ATAR plus adjustment factors such as academic and equity adjustments) for the 2020 January intake. Please use indicative ATARs as a guide as they may change for future intakes.

English prerequisite: EAL = English as an Additional Language. 'Any other English' includes English, English Language and Literature.

Undergraduate: this is usually your first course at university. Courses include Diploma, Associate Degree and Bachelor degree.

Graduate: this is study you do once you have graduated from a Bachelor degree. For example – Honours, Graduate Diploma, Master degree.

Disclaimer: universities featured in this guide reserve the right to change course information, admissions and entry requirements at any time and without notice. For up to date information, check the university websites when assessing course information.

Written by Sandie McKoy, May 2020
Catholic College Wodonga, sandie.mckoy@ccw.vic.edu.au

Note: Monash University has requested to not be included in this brochure.

Click on the occupation to go straight to the page

COURSE SUMMARY

Note: NP = ATAR not published. RC = additional selection criteria.

ARCHITECTURE

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Architectural Design	Melbourne City	RC
	Master of Architecture	Melbourne City	Graduate entry
Swinburne University	Bachelor of Design (Architecture)	Hawthorn	80.00
	Bachelor of Engineering (Honours)	Hawthorn	75.00
	Bachelor of Interior Architecture (Honours)	Hawthorn	70.00
	Master of Architecture	Hawthorn	Graduate entry
Deakin University	Bachelor of Design (Architecture)	Geelong Waterfront	70.35
	Master of Architecture	Geelong Waterfront	Graduate entry
The University of Melbourne	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Architecture (Graduate Degree Package)	Parkville	98.00
	Master of Architecture	Parkville	Graduate entry
Victoria University	Bachelor of Building Design	Footscray Park	NP
Melbourne Polytechnic	Bachelor of Applied Architeture	Epping	65.00

LANDSCAPE ARCHITECTURE

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Landscape Architectural Design	Melbourne City	RC
	Master of Landscape Architecture	Melbourne City	Graduate entry
Deakin University	Bachelor of Design (Architecture)	Geelong Waterfront	70.35
	Master of Landscape Architecture	Geelong Waterfront	Graduate entry
The University of Melbourne	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Landscape Architecture (Graduate Degree Package)	Parkville	96.00
	Master of Landscape Architecture	Parkville	Graduate entry

GEOSPATIAL SCIENCE (UNDERGRADUATE)

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Applied Science (Geospatial Science) (Honours)	Melbourne City	73.25
Charles Sturt University	Bachelor of Geospatial Science	Albury-Wodonga	70.00
The University of Melbourne	Bachelor of Science (major in Spatial Systems)	Parkville	85.00
	Bachelor of Design (major in Spatial Systems)	Parkville	85.00

Note: NP = ATAR not published. RC = additional selection criteria.

URBAN DESIGN

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Architectural Design	Melbourne City	RC
	Bachelor of Landscape Architectural Design	Melbourne City	RC
	Master of Urban Design	Melbourne City	Graduate entry
Swinburne University	Bachelor of Design (Architecture)	Hawthorn	80.00
	Bachelor of Engineering (Honours)	Hawthorn	75.00
	Bachelor of Interior Architecture (Honours)	Hawthorn	70.00
	Master of Urban Design	Hawthorn	Graduate entry
	Master of Architecture and Urban Design	Hawthorn	Graduate entry
The University of Melbourne	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Master of Urban Design	Parkville	Graduate entry

INTERIOR DESIGN

University	Course	Campus	Indicative ATAR
Swinburne University	Bachelor of Design (Interior Architecture)	Hawthorn	70.00
RMIT University	Bachelor of Interior Design (Honours)	City	RC
	Associate Degree in Interior Decoration and Design	City	RC

LAND SURVEYING

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Applied Science (Surveying) (Honours)	Melbourne City	74.25
	Bachelor of Applied Science (Geospatial Science) (Honours)	Melbourne City	73.25
The University of Melbourne	Design pathway		
	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Engineering (Spatial) (Graduate Degree Package)	Parkville	96.00
	Science pathway		
	Bachelor of Science	Parkville	85.00
	Bachelor of Science (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Science / Master of Engineering (Spatial) (Graduate Degree Package)	Parkville	96.00
	Master of Engineering (Spatial)	Parkville	Graduate entry

BUILDING SURVEYING

University	Course	Campus	Indicative ATAR
Victoria University	Bachelor of Building Surveying	Footscray Park	NP
Holmesglen Institute	Bachelor of Building Surveying	Chadstone	N/A

Note: NP = ATAR not published.

CONSTRUCTION MANAGEMENT

University	Course	Campus	Indicative ATAR
Deakin University	Bachelor of Construction Management (Honours)	Melbourne Burwood	60.40
RMIT University	Bachelor of Applied Science (Construction Management) (Honours)	Melbourne City	80.00
	Bachelor of Applied Science (Project Management) (Honours)	Melbourne City	75.00
Holmesglen Institute	Bachelor of Construction Management and Economics	Chadstone	N/A
Victoria University	Bachelor of Construction Management (Honours)	Footscray Park	NP
The University of Melbourne	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Construction Management (Graduate Degree Package)	Parkville	96.00
	Master of Construction Management	Parkville	Graduate entry

REAL ESTATE & PROPERTY

University	Course	Campus	Indicative ATAR
Deakin University	Bachelor of Property & Real Estate	Melbourne Burwood	71.05
		Cloud	65.10
RMIT University	Bachelor of Applied Science (Property and Valuation) (Honours)	City	75.25
The University of Melbourne	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Property (Graduate Degree Package)	Parkville	96.00
	Master of Property	Parkville	Graduate entry

URBAN & REGIONAL PLANNING

University	Course	Campus	Indicative ATAR
La Trobe University	Bachelor of Urban, Rural, and Environmental Planning	Bendigo	63.00
	Masters of Community Planning and Development	Bendigo	Graduate entry
RMIT University	Bachelor of Urban and Regional Planning	City	70.15
	Master of Urban Planning & Environment	City	Graduate entry
The University of Melbourne	Design pathway		
	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Urban Planning (Graduate Degree Package)	Parkville	96.00
	Arts pathway		
	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Urban Planning (Graduate Degree Package)	Parkville	96.00
	Master of Urban Planning	Parkville	Graduate entry

Note: NP = ATAR not published.

ARCHITECTURAL ENGINEERING

University	Course	Campus	Indicative ATAR
Victoria University	Bachelor of Engineering (Honours) (Architectural Engineering)	Footscray Park	NP
Swinburne University	Bachelor of Engineering (Honours)	Hawthorn	75.00
	Bachelor of Engineering (Honours) (Professional)	Hawthorn	85.00
The University of Melbourne	Design pathway		
	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Science pathway		
	Bachelor of Science	Parkville	85.00
	Bachelor of Science (Chancellor's Scholar)	Parkville	99.90
	Master of Architectural Engineering	Parkville	Graduate entry

CIVIL ENGINEERING

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Engineering (Civil & Infrastructure)	City	80.30
Swinburne University	Bachelor of Engineering (Honours)	Hawthorn	75.00
	Bachelor of Engineering (Honours) (Professional)	Hawthorn	85.00
Deakin University	Bachelor of Civil Engineering (Honours)	Melbourne Burwood	70.10
		Geelong Waurn Ponds	64.05
The University of Melbourne	Design pathway		
	Bachelor of Design	Parkville	85.00
	Bachelor of Design (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Engineering (Graduate Degree Package)	Parkville	96.00
	Science pathway		
	Bachelor of Science	Parkville	85.00
	Bachelor of Science (Chancellor's Scholar)	Parkville	99.90
	Bachelor of Design / Master of Engineering (Graduate Degree Package)	Parkville	96.00
	Master of Engineering (Civil) with Business	Parkville	Graduate entry
	Master of Engineering (Civil)	Parkville	Graduate entry
	Master of Engineering (Structural)	Parkville	Graduate entry
Victoria University	Bachelor of Engineering (Honours) (Civil)	Footscray Park	NP
La Trobe University	Bachelor of Civil Engineering (Honours)	Melbourne Bundoora	66.40
		Bendigo	72.75
Federation University	Bachelor of Engineering (Civil) (Honours)	Ballarat – Mt Helen	NP
		Gippsland – Churchill	NP
Melbourne Polytechnic	Bachelor of Engineering (Civil) (Honours)	Epping	50.00

ARCHITECTURE

Architects plan and design buildings, provide concepts, plans, specifications and detailed drawings, negotiate with builders and advise on the procurement of buildings.

To become a qualified architect, you will complete an undergraduate degree followed by a Master degree in Architecture.

Australian Institute of Architects, www.architecture.com.au

Job Outlook, https://joboutlook.gov.au/

RMIT UNIVERSITY

https://bit.ly/3e9weE8

To become a qualified architect, complete the following study pathway at RMIT University.

Undergraduate

Complete the Bachelor of Architectural Design (3-years).

Graduate

Complete the Master of Architecture (2-years).

Architecture @ RMIT

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.

RMIT Architecture's highly celebrated design studios are located across the city campus and within the multi award-winning RMIT Design Hub designed by RMIT architecture alumni Sean Godsell.

RMIT Architecture and its graduates continue to achieve at the highest levels and are acknowledged by the national and international architectural profession.

Global exchange

This program has a huge range of international exchange agreements with universities in the USA, Europe and Asia.

Professional accreditation

- Architects Registration Board of Victoria
- Royal Australian Institute of Architects.

Pathway options

If you don't receive an offer for the Bachelor of Architectural Design, there are pathway options available. Visit https://bit.ly/3eZdfg5

Course	Selection criteria	Campus	Indicative ATAR
Bachelor of Architectural Design	**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English. **Selection task:** applicants will need to complete and submit a selection task. Shortlisted applicants will be required to attend an interview.	Melbourne City	NP – range of selection criteria

SWINBURNE UNIVERSITY

https://bit.ly/3c3V5ra

To become a qualified architect, study one of the following undergraduate degrees at Swinburne:

Bachelor of Design (Architecture)

Bachelor of Engineering (Honours) with a major in Architecture

Bachelor of Design (Interior Design) (Honours) with an Advanced Minor in Architecture.

Then study one of the following 2-year graduate degrees:

Master of Architecture
Master of Architecture and Urban Design

Architecture @ Swinburne

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

Be the architect who creates the buildings we need. At Swinburne, we imagine how things could be better, then make them so.

We imagine a world that's carbon-free. We imagine a world that creates more energy than it consumes, a world that promotes a healthy lifestyle and enhances biodiversity.

In our architecture courses, you'll ask provocative questions in order to enhance the way we live.

Throw yourself into our cutting-edge studios. Push through industry challenges.

Immerse yourself in cross-disciplinary briefs. Analyse, critique, and debate. Celebrate change as you would a turn in season. And above all, stay curious.

Course	Prerequisites	Campus	Guaranteed ATAR
Bachelor of Design (Architecture)	Minimum study score of 30 in English (EAL) or 25 in any other English.	Hawthorn	80.00
Bachelor of Engineering (Honours)	Minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Hawthorn	75.00
Bachelor of Interior Architecture (Honours)	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.	Hawthorn	70.00

DEAKIN UNIVERSITY

https://bit.ly/2yM5Z6J

To become a qualified architect, complete the following study pathway at Deakin University.

Undergraduate

Complete the Bachelor Design (Architecture) (3-years).

↓

Graduate

Complete the Master of Architecture (2-years).

Architecture @ Deakin

Architecture at Deakin is ranked top 1% globally (QS World University Rankings by Subject 2019).

Take advantage of Deakin's world-class facilities – including an architecture workshop and 24-hour studio – to prepare yourself for modern professional practice in this diverse field.

You'll explore smart, sustainable, innovative design in a mixture of theory and practical learning – whether you're developing models, exploring urban ecologies or studying construction management.

Our courses allow you to 'learn by doing' from day one, so upon graduation you can enter the workplace with the skills and confidence you need.

Professional accreditation

- Australian Institute of Architects
- Architects Registration Board of Victoria (ARVB)
- Architects Accreditation Council of Australia (AACA)

Combined Degree

Students can apply to combine the Bachelor of Design (Architecture) with the Bachelor of Construction Management (Honours).

Pathway options

If you don't receive an offer for the Bachelor of Design (Architecture), there are pathway options available. Visit https://bit.ly/2YgLGco

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Design (Architecture)	Minimum study score of 25 in English (EAL) or 20 in any other English.	Geelong Waterfront	70.35

THE UNIVERSITY OF MELBOURNE

https://bit.ly/3cfH2Pk

To become a qualified architect, complete the following study pathway at The University of Melbourne.

Undergraduate

Complete the 3-year Bachelor of Design majoring in Architecture or another Bachelor degree at the University.

Graduate

Bachelor of Design graduates - complete the 2-year Master of Architecture.

Graduates of other degrees - complete the 3-year Master of Architecture.

Architecture @ UniMelb

Architecture today is the product of many disciplines, which is reflected in the diversity of choice at the Melbourne School of Design.

Urban design, planning, cost management, digital design and fabrication, engineering, environmental design, materials science, construction, landscape, art and the social sciences overlap to inform what we do as architects.

Professional accreditation

The Master of Architecture meets the requirements of the professional associations listed below:

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

Combined major

In the Bachelor of Design students can apply to combine the Architecture major with one of the following two majors: Landscape Architecture or Construction.

NB: there are Mathematics prerequisites for the Construction major - https://bit.ly/3efg5x0

Guaranteed entry

Applicants can secure guaranteed entry into the Master of Architecture via acceptance into one of the following programs:

Graduate Degree Package – Bachelor of Design / Master of Architecture.

Melbourne Chancellor's Scholars

Information - https://bit.ly/2VfuO2g

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	85.00
Bachelor of Design / Master of Architecture (Graduate Degree Package)	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	98.00
Bachelor of Design - Melbourne Chancellor's Scholar	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	99.90

VICTORIA UNIVERSITY

https://bit.ly/3a0Kv33

To become a qualified architect, complete the following study pathway:

Undergraduate

Complete the Bachelor of Building Design at Victoria University (3-years).

Graduate

Complete the Master of Architecture at another university (2-years).

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.

You will take classes alongside students from construction management, building surveying and engineering programs.

Suggested Pathway Course

Advanced Diploma of Building Design (Architectural), Victoria Polytechnic, https://bit.ly/2Rpye1p

Special admission programs

Includes the VU Guaranteed program for selected schools, https://bit.ly/2UMgLRK

Other

VU Block Model: revolutionary way of learning and teaching unique to VU, https://bit.ly/2lzrgld

Chancellor's Scholarship: http://bit.ly/2m0qZ1B

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Building Design	Minimum study score of 25 in English (EAL) or 20 in any other English.	Footscray Park	ATAR wasn't used for selection purposes for the 2020 intake.

MELBOURNE POLYTECHNIC

https://bit.ly/37joJWH

To become a qualified architect, complete the following study pathway:

Undergraduate

Complete the Bachelor of the Built Environment at Melbourne Polytechnic (3-years).

Graduate

Complete the Master of Architecture at another university (2-years).

The Bachelor of the Built Environment will provide you with advanced knowledge of design and architecture, building construction techniques, client briefs, sustainability principles 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.

Suggested Pathway Course

Advanced Diploma of Building Design (Architectural), Melbourne Polytechnic, https://bit.ly/3bNPfuj

Course	Entry requirements	Campus	Indicative ATAR
Bachelor of Bachelor of the Built Environment	**Prerequisites:** Minimum study scores of: 25 in any English, and 25 in any Mathematics. **Interview:** will be required to participate in a selection interview.	Epping	65.00

LANDSCAPE ARCHITECTURE

Landscape Architects plan and design land areas for projects such as open space networks, parks, schools, institutions, roads, external areas for all building types, land subdivisions, and commercial, industrial and residential sites.

To become a qualified landscape architect, you will complete an undergraduate degree followed by a Master degree in Landscape Architecture.

Australian Institute of Landscape Architects, www.aila.org.au

Job Outlook, https://joboutlook.gov.au/

RMIT UNIVERSITY

https://bit.ly/2wpmfcW

To become a qualified landscape architect, complete the following study pathway at RMIT.

Undergraduate

Complete the Bachelor of Landscape Architectural Design (3-years).

Graduate

Complete the Master of Landscape Architecture (2-years).

Bachelor of Landscape Architectural Design

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.

Master of Landscape Architecture

The course is recognised as a world-class facility in fostering design knowledge, critical thinking, and design advocacy through innovative teaching and research.

RMIT's Master of Landscape Architecture will equip you to become a leader and innovator in landscape architectural practice.

International Experience

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

Professional Accreditation

The Master of Landscape Architecture meets the requirements of the Australian Institute of Landscape Architects (AILA)

Course	Entry requirements	Campus	Indicative ATAR
Bachelor of Landscape Architectural Design	**Prerequisites:** Minimum study score of 30 in English (EAL) or 25 in any other English. **Selection task:** applicants will need to complete and submit a selection task. Shortlisted applicants will be required to attend a folio presentation.	Melbourne City	NP - additional selection criteria.

THE UNIVERSITY OF MELBOURNE

https://bit.ly/3cfH2Pk

To become a qualified landscape architect, complete the following study pathway at The University of Melbourne.

Undergraduate

Complete the Bachelor of Design majoring in Landscape Architecture (3-years).

↓

Graduate

Complete the Master of Landscape Architecture (2-years).

Landscape Architecture @ UniMelb

At the Melbourne School of Design, our curriculum is underpinned by a strong grounding in design, ecology and urbanism.

These strengths are paralleled by a comprehensive history and theory stream encompassing contemporary landscape architecture, architecture and urban design theory, and cross-cultural issues, including indigenous perspective for sustainable societies.

Our studios develop strong interdisciplinary understanding, excellent communication skills, critical thinking and the ability to use resources, materials and technologies to develop responsible and ecologically sound and novel design solutions.

Professional accreditation

The Master of Landscape Architecture meets the requirements of the professional associations listed below:

- Australian Institute of Landscape Architects (AILA)
- International Federation of Landscape Architects (IFLA)

Guaranteed entry

Applicants can secure guaranteed entry into the Master of Landscape Architecture via acceptance into one of the following programs:

Graduate Degree Package – Bachelor of Design / Master of Landscape Architecture

Melbourne Chancellor's Scholars

For information, visit https://bit.ly/3eblMfG

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	85
Bachelor of Design / Master of Landscape Architecture (Graduate Degree Package)	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	96
Bachelor of Design - Melbourne Chancellor's Scholars	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	99.9

DEAKIN UNIVERSITY

https://bit.ly/2Vwotjt

To become a qualified landscape architect, complete the following study pathway at Deakin University.

Undergraduate

Complete the Bachelor of Design (Architecture) at Deakin University (3-years).

↓

Graduate

Complete the Master of Landscape Architecture (2-years).

Landscape Architecture @ Deakin

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.

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.

The Master of Landscape Architecture is accredited by the Australian Institute of Landscape Architects.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Design (Architecture)	Minimum study score of 25 in English (EAL) or 20 in any other English.	Geelong Waterfront	70.35

GEOSPATIAL SCIENCE

Military intelligence, urban sprawl, environmental sustainability… the applications go on and on. Geospatial scientists' work underpins decisions that have a direct effect on societal development.

It can be applied to track coastal erosion, or help design towns and communities. Basically, geospatial science solves problems. It offers the intelligence to shape our world.

Geospatial Science Careers, https://bit.ly/2y3RGtP

RMIT UNIVERSITY

https://bit.ly/3c8wPnZ

Bachelor of Applied Science (Geospatial Science) (Honours)

This unique course prepares you for the specialised field of geospatial science through the management and development of geographic information systems.

This program paves the 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.

While you'll find elements of geospatial science in other programs, RMIT offers the only four-year undergraduate program in Victoria.

Professional accreditation

- Royal Institution of Chartered Surveyors
- Surveying and Spatial Sciences Institute.
- Mapping Sciences Institute of Australia.

Industry experience

All students carry out a final-year research project that is industry-approved and reflects current best practice.

You are expected to complete 60 days of work experience during your course. This usually takes the form of paid employment during vacation periods or as a part-time employee

Suggested Pathway Course

If you don't receive an offer for the Bachelor of Applied Science (Geospatial Science) (Honours), there are pathway options available. Visit, https://bit.ly/2W7lFtl

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Geospatial Science) (Honours)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in any Mathematics.	Melbourne City	73.25

CHARLES STURT UNIVERSITY

https://bit.ly/35FMAjL

Bachelor of Geospatial Science

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.

You'll be solving geospatial problems and diving into work placements from your first year of study.

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

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.

Admission pathways

For information on the following admission programs, visit https://bit.ly/2UoUlAb

- Charles Sturt Advantage – early entry program
- Schools Recommendation Schemes – early entry program
- Indigenous Access Program

Pathway course

Completion of the Diploma of General Studies at CSU will provide guaranteed entry into the Bachelor of Geospatial Science, http://bit.ly/2V9ozPm

Course	Assumed Knowledge	Campus	Indicative ATAR
Bachelor of Geospatial Science	Mathematics (any)	Albury-Wodonga	70.00

THE UNIVERSITY OF MELBOURNE

https://bit.ly/2V5p6RS

Students can study a major in Spatial Systems in either of the following undergraduate degrees:

Bachelor of Science
Bachelor of Design

Spatial Systems Major

Be part of one of the fastest-growing IT industries in the world.

Spatial information has entered the 'big data' age with huge, complex data sets that include geographic and location-tagged information from thousands of sources, like global positioning satellites, surveying, laser mapping (LiDAR) and telecommunications.

Spatial systems is the study of the science and technology of 3D measurement, mapping and visualisation, focusing on the fundamental questions of where, what and when.

You could build the next generation of 3D visualisations for Google Earth or create software that will help us predict and respond to bushfires or other natural disasters.

You will develop knowledge in spatial measurement and analysis for both the human and natural environment and hands-on skills with sophisticated technologies.

Combined major

Students studying the Bachelor of Design can apply to combine the Spatial Systems major with one of the following majors: Construction or Property.

Career outcomes

After completing this major you might pursue careers in 3D spatial consultancy, asset information coordination, geographic boundary surveying, forensic surveying, or hydrographic surveying or as a geodesist, GIS consultant or spatial analyst.

Graduate study

Following graduation from the Bachelor of Science (major in Spatial Systems) or the Bachelor of Design (major in Spatial Systems), students can apply for either of the following graduate degrees at the University of Melbourne:

Master of Engineering (Spatial)
Master of Information Technology (Spatial)

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study scores of: 30 in English (EAL) or 25 in any other English, and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	85
Bachelor of Science	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods or Specialist Mathematics; and 25 in one of Biology, Chemistry or Physics. OR: Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods AND Specialist Mathematics.	Parkville	85

URBAN DESIGN

Urban design aims at the creation of useful, attractive, safe, environmentally sustainable, economically successful and socially equitable places.

Good urban design pursues local identity and sense of place, cultural responsiveness and purposeful environmental innovation.

Careers in urban design, https://bit.ly/2V0mg0k

SWINBURNE UNIVERSITY

https://bit.ly/3cfHdud

To become an urban designer, study one of the following three undergraduate degrees at Swinburne:

Bachelor of Design (Architecture)

Bachelor of Engineering (Honours) majoring in Architecture

Bachelor of Design (Interior Design) (Honours) with an Advanced Minor in Architecture.

Then study one of the following graduate degrees:

Master of Urban Design
Master of Architecture and Urban Design

Urban Design @ Swinburne

Breath life back into our cities. Learn how to create modern healthy cities with an urban design course at Swinburne.

Apply out of the box thinking to develop responsive solutions that harness big-data to adapt to their environments and the challenge of mass urbanisation.

Discover how to create spaces that positively impact economic, environmental, social and cultural outcomes.

Explore urban design principles through engaging teaching methods, including the use of geospatial data analysis, VR, AR, metaphor, and working on industry briefed projects.

Make a global impact

Gain hands-on experience through engaging with our research centres and institutes, including: The Centre of Design Innovation, The Centre for Urban Transitions, and the Smart Cities Institute.

Industry engagement

Learn from staff with future-focused skills and practice experience.

By working with industry, robotics, big-data and cutting-edge production facilities and materials, we ensure that every aspect of our course is tuned to what the city, country and the world need – today and far into the future.

Course	Prerequisites	Campus	Guaranteed ATAR
Bachelor of Design (Architecture)	Minimum study score of 30 in English (EAL) or 25 in any other English.	Hawthorn	80.00
Bachelor of Engineering (Honours)	Minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Hawthorn	75.00
Bachelor of Interior Architecture (Honours)	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.	Hawthorn	70.00

RMIT UNIVERSITY

https://bit.ly/3b4HfEV

To become an urban designer, complete the following study pathway at RMIT.

Undergraduate

Complete the Bachelor of Architectural Design or the Bachelor of Landscape Architectural Design

↓

Graduate

Complete the Master of Urban Design (2-years).

Urban Design @ RMIT

In an age of rapid global change, Urban Design at RMIT advances the part design can play in shaping the future form and performance of our cities.

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.

International opportunities

In addition to this program's two dedicated travel studios in Vietnam and Barcelona, the School of Architecture and Design has an extensive network of international collaborators in the USA, Europe and Asia.

Career pathways

Urban designers work on large-scale urban projects in collaboration with other professionals (architects, landscape architects, urban planners, developers) and government.

Course	Entry requirements	Campus	Indicative ATAR
Bachelor of Architectural Design	Minimum study score of 30 in English (EAL) or 25 in any other English. Applicants will need to complete and submit a selection task. Shortlisted applicants will be required to attend an interview.	Melbourne City	NP – range of selection criteria
Bachelor of Landscape Architectural Design	Minimum study score of 30 in English (EAL) or 25 in any other English. Applicants will need to complete and submit a selection task. Shortlisted applicants will be required to attend a folio presentation.	Melbourne City	NP – range of selection criteria

THE UNIVERSITY OF MELBOURNE

https://bit.ly/3cfH2Pk

The University offers an accredited urban design qualification at the graduate level. Applicants will need to complete an undergraduate degree first.

The following is a suggested study pathway at The University.

Undergraduate

Complete the Bachelor of Design with a major in Landscape Architecture or Architecture (3-years).

↓

Graduate

Complete the Master of Urban Design (2-years).

At Melbourne you can focus on your chosen field of urban design from day one.

First you will complete the Bachelor of Design with a major in Landscape Architecture or Architecture.

Next, you will choose the Master of Urban Design.

The Master of Urban Design is a studio-based course in which students gain expert knowledge, enabling them to forge a career in urban design or a related field. The program's strength lies in the combination of urban design theory and three design studios.

The course 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.

Professional recognition

The Master of Urban Design is recognised by the Planning Institute of Australia (PIA).

Career pathways

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 as city councils
- Architecture practices
- Landscape architecture practices
- Planning practices

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	85
Bachelor of Design - Melbourne Chancellor's Scholars	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	99.9

INTERIOR DESIGN

Interior designers plan and detail commercial and residential building interiors for effective use with particular emphasis on space creation, space planning and factors that affect our responses to living and working environments.

Design Institute of Australia, www.design.org.au

SWINBURNE UNIVERSITY

https://bit.ly/3cfiiqK

Bachelor of Design (Interior Architecture) (Honours)

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.

Co-Majors

Students can choose a second major from the following study areas:

- Animation
- Chinese
- Environmental Sustainability
- Indigenous Studies
- Innovation and Design
- Management
- Marketing.

Professional Accreditation

Graduates are eligible to apply to become members of the Design Institute of Australia.

Graduate outcomes

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.

Pathway options

If you don't receive an offer for the Bachelor of Design (Interior Architecture) (Honours), there are pathway options available. Visit https://bit.ly/2ybADGx

Course	Prerequisites	Campus	Guaranteed ATAR
Bachelor of Design (Interior Architecture) (Honours)	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.	Hawthorn	70.00

RMIT UNIVERSITY

https://bit.ly/3ccXoZg

Course option 1

Bachelor of Interior Design (Honours)

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.

Course option 2

Associate Degree in Interior Decoration and Design

As an interior decorator and designer, you will create aesthetically pleasing and functional spaces working to design briefs. You'll also decorate residential and commercial environments, drew sketches and produce samples of your designs.

You will work directly with clients, source paint colours, provide advice on artwork, supervise on-site design and construction, keep up with global trends and communicate effectively with clients and project consultants.

Professional Accreditation

Graduates of both courses are eligible to apply to become members of the Design Institute of Australia.

Course	Entry requirements	Campus	Indicative ATAR
Bachelor of Interior Design (Honours)	**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.	Melbourne City	NP – additional selection criteria
Associate Degree in Interior Decoration and Design	**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.	Melbourne City	NP – additional selection criteria

LAND SURVEYING

Surveying is the measurement and mapping of our surrounding environment using mathematics and specialised technology.

Land surveyors are involved with a diverse variety of projects from land subdivision to tunnel building and major construction.

Licensed or registered surveyors are experts in the profession who interpret and navigate legal aspects of land ownership.

They also give advice and provide information to guide the work of engineers, architects and developers.

A Life Without Limits, https://bit.ly/2V23plL

RMIT UNIVERSITY

https://bit.ly/3c8wPnZ

Bachelor of Applied Science (Surveying) (Honours)

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

- Surveyors Registration Board of Victoria.
- The Institution of Surveyors Victoria
- Surveying and Spatial Sciences Institute.
- Land Surveyors Board of Malaysia.
- Royal Institution of Chartered Surveyors.

Industry experience

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

Pathway options

If you don't receive an offer for the Bachelor of Applied Science (Surveying) (Honours), there are pathway options available. Visit https://bit.ly/2KJV7Ja

Other

The Bachelor of Applied Science (Geospatial Science) (Honours) at RMIT is also accredited with the Surveying and Spatial Sciences Institute and the Royal Institution of Chartered Surveyors

Information on this course is located in the Geospatial Sciences section of this document.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Surveying) (Honours)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in Mathematical Methods or Specialist Mathematics.	Melbourne City	74.25

THE UNIVERSITY OF MELBOURNE

https://bit.ly/2V5p6RS

The University offers an accredited surveying qualification at the graduate level. Applicants will need to complete an undergraduate degree first.

The following is a suggested study pathway at The University.

Undergraduate

Complete the Bachelor of Design or Bachelor of Science with a major in Spatial Systems (3-years).

Graduate

Complete the Master of Engineering (Spatial) (2-years).

Spatial Engineering @ UniMelb

Develop the Industrial Internet of Things, autonomous vehicles and smart cities with the Master of Engineering (Spatial).

Develop skills in mapping and visualisation, geographic information systems (GIS), 3D computer visualisations, surveying and satellites, and image processing.

As a spatial engineering student, you will have access to a vast range of opportunities to network with industry, develop your professional skills and connect with a dynamic cohort of students from around the world.

You will apply your skills in internships, industry projects, and innovation challenges with industry mentors.

Professional accreditation

Recognised with the Royal Institution of Chartered Surveyors and conditionally accredited with the Surveyors Registration Board, Victoria.

Professionally recognised by EUR-ACE® (accrediting agency: ASIIN) and provisionally accredited by Engineers Australia.

Guaranteed entry

Applicants can secure guaranteed entry into the Master of Engineering (Spatial) via acceptance into one of the following programs:

Graduate Degree Package – Bachelor of Design or Bachelor of Science / Master of Engineering.

Melbourne Chancellor's Scholars.

For information, visit https://bit.ly/2RHzrBf

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	85
Bachelor of Science	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods or Specialist Mathematics; and 25 in one of Biology, Chemistry or Physics. OR: Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods AND Specialist Mathematics.	Parkville	85

BUILDING SURVEYING

Building Surveyors have an impact on the design, planning and functionality of buildings as part of their responsibility to ensure that buildings are safe, accessible and energy efficient.

A Building Surveyor is involved for the length of a building project, from the start until the end, and conduct inspections in order to sign off on every stage of the construction.

Australian Institute of Building Surveyors, www.aibs.com.au

Victorian Builders Association, www.vba.vic.gov.au

VICTORIA UNIVERSITY

https://bit.ly/29Wv8JX

Bachelor of Building Surveying

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.

Industry partners

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.

Professional accreditation

The course is recognised by the Victorian Building Authority (VBA).

Graduates of the Bachelor of Building Surveying are eligible to register as a Building Practitioner with VBA when the minimum experience has been acquired.

Career opportunities

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.

Pathway options

If you don't receive an offer for the Bachelor of Building Surveying, there are pathway options available. View information under 'pathways and credits' https://bit.ly/3cVP5Bm

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Building Surveying	Minimum study score of 25 in English (EAL) or 20 in any other English.	Footscray Park	ATAR wasn't used for entry in the 2020 intake.

HOLMESGLEN INSTITUTE

https://bit.ly/2yatMg6

Bachelor of Building Surveying

To become a qualified building surveyor, complete the following study pathway at Holmesglen.

TAFE

Complete the 2-year Advanced Diploma of Building Surveying.

↓

Undergraduate

Complete the Bachelor of Building Surveying.

TAFE entry requirements

Visit - https://bit.ly/2yV5O9f

Bachelor degree

You will develop an in-depth technical knowledge in building surveying and will be able to operate independently as a professional within this field.

Its strong vocational and building discipline focus will assist you in meeting the academic requirements for membership of relevant professional bodies in the building sector.

All academic staff in the Bachelor of Building Surveying have extensive, relevant industry/professional experience and higher education teaching experience.

Professional accreditation

The course is accredited and/or recognised by the Australian Institute of Building Surveyors and the Victorian Building Authority (VBA).

Graduates of the Bachelor of Building Surveying are eligible to register as a Building Practitioner with VBA when the minimum experience has been acquired.

Career opportunities

Career opportunities include:

- building surveyor
- building inspector
- private certifier
- building consultant.

CONSTRUCTION MANAGEMENT

Construction Managers plan, organise, direct, control and coordinate the construction of civil engineering projects, buildings and dwellings, and the physical and human resources involved in building and construction.

The number of people working as Construction Managers is expected to grow strongly over the next 5 years.

Job Outlook, https://joboutlook.gov.au

DEAKIN UNIVERSITY

https://bit.ly/2VrYRUu

Bachelor of Construction Management (Honours)

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.

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 with Bachelor of Construction Management (Honours) with one of the following Bachelor degrees:

- Bachelor of Property and Real Estate
- Bachelor of Design (Architecture).

Become a quantity surveyor

Graduates are eligible for membership with Australian Institute of Quantity Surveyors, https://bit.ly/2ya4dMt

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 Quantity Surveyors (AIQS)
- Australian Institute of Building (AIB).

Pathway options

If you don't receive an offer for the Bachelor of Construction Management (Honours), there are pathway options available. Visit https://bit.ly/3aJ3clR

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Construction Management (Honours)	Minimum study score of 25 in English (EAL) or 20 in any other English.	Geelong Waterfront	60.40

RMIT UNIVERSITY

https://bit.ly/2K250Sk

Bachelor of Applied Science (Construction Management) (Honours)

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.

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

This 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.

Become a quantity surveyor

Graduates are eligible for membership with Australian Institute of Quantity Surveyors, https://bit.ly/2ya4dMt

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 Quantity Surveyors (AIQS)
- Australian Institute of Building (AIB).

Pathway options

If you don't receive an offer for the Bachelor of Applied Science (Construction Management) (Honours), there are pathway options available. Visit https://bit.ly/2SkwTcR

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Construction Management) (Honours)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in any Mathematics.	Melbourne City	80.00

RMIT UNIVERSITY

https://bit.ly/2VhC3Xu

Bachelor of Applied Science (Project Management) (Honours)

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).

Pathway options

If you don't receive an offer for the Bachelor of Applied Science (Project Management) (Honours), there are pathway options available. Visit https://bit.ly/3aJxzi9

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Project Management) (Honours)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in any Mathematics.	Melbourne City	75.00

HOLMESGLEN INSTITUTE

https://bit.ly/2RC8YFs

Bachelor of Construction Management and Economics

To be eligible to enter this degree, you must complete one of the following 2-year TAFE courses first:

- Diploma of Building and Construction
- Advanced Diploma of Building Design (Architectural)
- Advanced Diploma of Building Surveying

TAFE entry requirements:
https://bit.ly/2RC8YFs

Bachelor degree

The course embraces the construction management and quantity surveying fields of study, which are generally considered to fall within the management disciplines and financial administration of building projects through their life cycle.

The first three years of the course focus on building a foundation of knowledge and skills that prepare you for a wide range of possible graduate vocational occupations in the building industry.

All academic staff in the Bachelor of Construction Management and Economics have extensive, relevant industry/professional experience and higher education teaching experience.

Professional accreditation

This course is accredited under the following industry bodies:

- Australian Institute of Quantity Surveyors (AIQS)
- Australian Institute of Building (AIB).

Become a quantity surveyor

Graduates are eligible for membership with Australian Institute of Quantity Surveyors, https://bit.ly/2ya4dMt

VICTORIA UNIVERSITY

https://bit.ly/2y8yY4f

Bachelor of Construction Management (Honours)

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.

Professional recognition

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

VU Block Model

Learn about the unique learning and teaching model at Victoria University, http://bit.ly/39oxOj0

Pathway options

If you don't receive an offer for the Bachelor of Construction Management (Honours), there are pathway options available. View information under 'pathways and credits' https://bit.ly/3f4lkQz

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Construction Management (Honours)	Minimum study score of 25 in English (EAL) or 20 in any other English.	Footscray Park	ATAR wasn't used for entry in the 2020 intake.

THE UNIVERSITY OF MELBOURNE

https://bit.ly/3cfH2Pk

The University offers accredited construction management qualifications at the graduate level. Applicants will need to complete an undergraduate degree first.

The following is a suggested study pathway at The University.

Undergraduate

Complete the Bachelor of Design with a major in Construction (3-years).

↓

Graduate

Complete the Master of Construction Management (2-years).

Undergraduate

First, you will complete the Bachelor of Design with a major in Construction.

You will learn about the fundamentals of construction management within the natural, designed and built environment to work across all levels of the construction industry.

You will experience site visits and presentations by industry professionals to deepen your understanding of real-world practice and expand your network while you study.

Graduate

Next, you will choose the Master of Construction Management which is an accredited professional degree to help develop your career in the construction industry.

You will learn to manage the construction process end-to-end, and choose one of three specialisations to enhance your skills and knowledge: building, cost management and project management.

Professional accreditation

The Master of Construction Management is recognised by:

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

Guaranteed entry

Applicants can secure guaranteed entry into the Master of Construction Management via acceptance into one of the following programs:

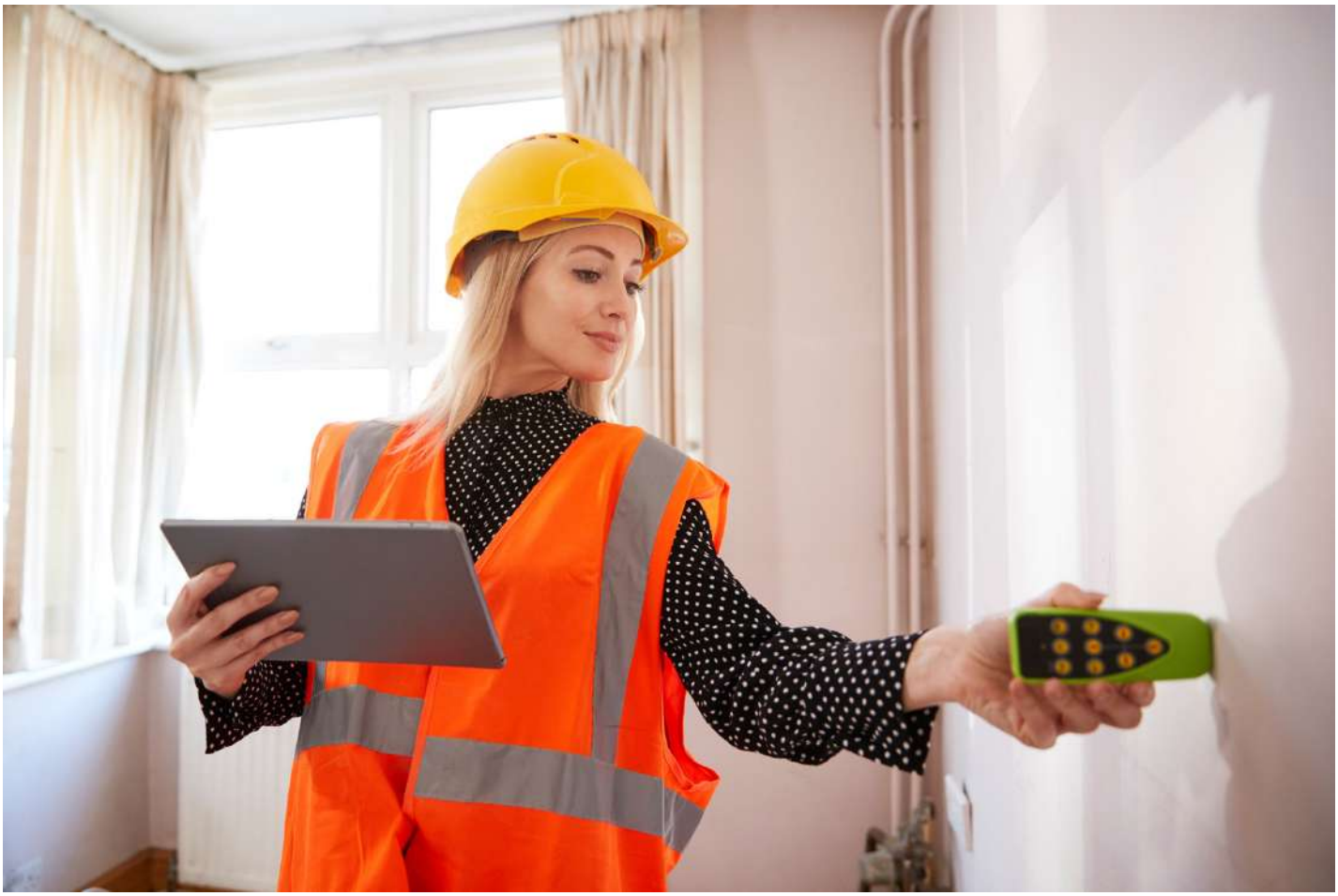
Graduate Degree Package – Bachelor of Design / Master of Construction Management.

Melbourne Chancellor's Scholars.

For information, visit https://bit.ly/2RsCfIR

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	85.00
Bachelor of Design / Master of Construction Management (Graduate Degree Package)	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	96.00
Bachelor of Design - Melbourne Chancellor's Scholar	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	99.90

REAL ESTATE | PROPERTY



DEAKIN UNIVERSITY

https://bit.ly/3em0QTk

Bachelor of Property and Real Estate

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.

Become a Property Valuer

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

Graduate outcomes

Graduate ready to explore career opportunities across a variety of roles including:

- asset manager
- land economist
- leasing agent
- mortgage finance broker
- portfolio manager
- property developer
- property manager
- valuer.

Combined degrees

Students can apply to combine the Bachelor of Property and Real Estate with one of the following degrees:

- Bachelor of Commerce
- Bachelor of Laws
- Bachelor of Construction Management (Honours).

Professional accreditation

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

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

Pathway options

If you don't receive an offer for the Bachelor of Property and Real Estate, there are pathway options available. Visit https://bit.ly/3d3MeXf

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Property and Real Estate	Minimum study score of 25 in English (EAL) or 20 in any other English.	Melbourne Burwood Cloud	71.05 65.10

RMIT UNIVERSITY

https://bit.ly/2xhbjid

Bachelor of Applied Science (Property and Valuation) (Honours)

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

The course 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.

Property is more than just buildings. You'll learn about the development, valuation, investment and management of land, labour and capital in the built environment.

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 Recognition

Bachelor of Applied Science (Property and Valuation) (Honours) has professional accreditation by the:

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

Become a Property Valuer

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

Pathway options

If you don't receive an offer for the Bachelor of Property and Real Estate, there are pathway options available. Visit https://bit.ly/2KHDppJ

Graduate entry

If you don't gain entry into the Bachelor degree, RMIT offers an accredited property degree at the graduate level. You will need to complete an eligible degree before you can apply.

Master of Property, https://bit.ly/3cggttn

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Property and Valuation) (Honours)	Minimum study score of 30 in English (EAL) or 25 in any other English. Minimum study score of 20 in any Mathematics.	Melbourne City	75.25

THE UNIVERSITY OF MELBOURNE

https://bit.ly/3cfH2Pk

The University offers accredited property qualifications at the graduate level. Applicants will need to complete an undergraduate degree first.

The following is a suggested study pathway at The University.

Undergraduate

Complete the 3-year Bachelor of Design with a major in Property.

↓

Graduate

Complete the Graduate Diploma of Property Valuation, or the Master of Property.

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.

Become a Property Valuer

By completing the Graduate Diploma of Property Valuation or the Master of Property, graduates will meet the academic requirements to be eligible for registration as a Certified Practising Valuer (CPV).

Professional accreditation

The Master of Property has professional accreditation by the:

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

Guaranteed entry

Applicants can secure guaranteed entry into the Master of Property via acceptance into one of the following programs:

Graduate Degree Package – Bachelor of Design / Master of Property.

Melbourne Chancellor's Scholars.

For information, visit https://bit.ly/2Vqzhzf

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	85.00
Bachelor of Design / Master of Property (Graduate Degree Package)	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	96.00
Bachelor of Design - Melbourne Chancellor's Scholar	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent - https://bit.ly/3efg5x0	Parkville	99.90

URBAN & REGIONAL PLANNING

Urban and Regional Planners develop and implement plans and policies for the controlled use of urban and rural land, and advise on economic, environmental and social factors affecting land use.

Planning Institute of Australia, https://bit.ly/3a0aual

The number of people working as urban and regional planners is expected to grow over the next 5 years.

Job Outlook, https://joboutlook.gov.au

LA TROBE UNIVERSITY

https://bit.ly/2V3Zg0G

Bachelor of Urban, Rural and Environmental Planning

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.

Industry experience

A 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.

Professional accreditation

Accredited by the Planning Institute of Australia.

Graduate entry

If you don't achieve the required ATAR to gain direct entry into the Bachelor degree, La Trobe offers an accredited planning degree at the graduate level:

Master of Urban Planning and the Environment, https://bit.ly/2V6cfij

Entry pathways

Includes information on the Regional Benefits Program and the Aspire Early Admissions Program, https://bit.ly/2UPULoZ

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Urban, Rural and Environmental Planning	Minimum study score of 25 in English (EAL) or 20 in any other English.	Bendigo	63.00

RMIT UNIVERSITY

https://bit.ly/3a1EQJS

Bachelor of Urban and Regional Planning (Honours)

Learn what it takes to create a liveable and sustainable city or region. Discover how international leaders tackle urban issues and learn from expert teachers that bring contemporary research into the classroom.

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 accreditation

Accredited by the Planning Institute of Australia.

Graduate entry

If you don't achieve the required ATAR to gain direct entry into the Bachelor degree, RMIT offers an accredited planning degree at the graduate level:

Master of Urban Planning and Environment, https://bit.ly/3a7exSo

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Urban and Regional Planning (Honours)	Minimum study score of 30 in English (EAL) or 25 in any other English.	Melbourne City	70.15

THE UNIVERSITY OF MELBOURNE

https://bit.ly/3cfH2Pk

The University of Melbourne offers an accredited urban planning qualification at the graduate level. Applicants will need to complete an undergraduate degree first.

The following is a suggested study pathway at The University.

Undergraduate

Complete the 3-year Bachelor Arts or Bachelor of Design with a major in Urban Planning.

↓

Graduate

Complete the 2-year Master of Urban Planning.

Urban Planning

At Melbourne, you can focus on your studies in urban planning from day one and complement your course with subjects from outside your discipline.

Urban Planning through Design

With a Bachelor of Design, you can complete a major in urban planning and acquire extensive knowledge in the field.

In the Urban Planning major, you will develop a broad knowledge of the history, theory, leading concepts and principles of urban planning and design.

You will understand the role of planners in influencing environmental sustainability, economic resilience and social equity in cities and towns, and be able to identify the main trends and factors shaping the development of local, national, regional and global communities.

Graduate studies

Next, you will complete the Master of Urban Planning to qualify as a professionally accredited urban planner.

This is a professional degree that focuses on Australian and International policy and planning and how we cope with these challenging population and environmental issues.

Professional accreditation

The Master of Urban Planning is accredited by the Planning Institute of Australia.

Guaranteed entry

Applicants can secure guaranteed entry into the Master of Urban Planning via acceptance into the Graduate Degree Package or the Melbourne Chancellor's Scholars, https://bit.ly/3a9OoT9

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design or Bachelor of Arts	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	85.00
Bachelor of Design or Bachelor of Arts / Master of Urban Planning (Graduate Degree Package)	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	96.00
Bachelor of Design or Bachelor of Arts-Melbourne Chancellor's Scholar	Minimum study score of: 30 in English (EAL) or 25 in any other English	Parkville	99.90

DISASTER DESIGN

RMIT UNIVERSITY

https://bit.ly/2XAcYKu

Master of Disaster, Design and Development

RMIT offers a graduate degree in disaster design. Applicants will need to complete a Bachelor degree first.

The Master of Disaster, Design and Development (MoDDD) provides a global learning platform that enables graduates to work locally and internationally in the disaster resilience and management fields.

MoDDD is the only degree in the Asia Pacific region that enables students to work full time, while completing most of their degree online, before transitioning their careers into the humanitarian and disaster management sectors.

Students from diverse backgrounds – from social science, engineering, design, architecture, communication and health – will learn systems and design thinking skills to address problems in disaster management and relief, humanitarian architecture, climate change adaptation and urban resilience.

Industry experience

You have a number of opportunities to work with industry partners as part of the course.

You may work on simulated and real-world projects with IFRC, UNHabitat, UNISDR, UNHCR and RedR or take up an opportunity for an internship elective.

Industry recognition

MoDDD sits within the renowned school of Architecture at RMIT University in Melbourne, Australia.

By enrolling in the MoDDD degree, you will become part of a world-leading Architecture & Urban Design school, ranked 26th in the latest QS world university ranking.

Career outcomes

Graduates will be able to work in leadership, management, and consultancy roles in the local and international disaster and development sector with specialised knowledge of planning, decision making and design processes related to:

- Disaster and emergency management
- Design-focused post-disaster management
- Planning and policy
- Urban resilience
- Community engagement
- Advocacy and communication in humanitarian response
- Monitoring and evaluation
- Climate change and environment
- Recovery and reconstruction

Course	Prerequisites	Campus	Minimum ATAR
Master of Disaster, Design and Development	Entry requirements - https://bit.ly/2Vk4TGI	Online	N/A – graduate entry

ARCHITECTURAL ENGINEERING

SWINBURNE UNIVERSITY

https://bit.ly/2XCJo74

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.

Course options

There are two course options to choose from:

Option 1: Bachelor of Engineering (Honours) majoring in Architecture (4-years)

Option 2: Bachelor of Engineering (Honours) (Professional) majoring in Architecture (5-years).

The content is the same, but you will have access to a year of paid industry experience in the Professional degree.

Combined degrees

Students can apply to combine the Bachelor of Engineering (Honours) with one of the following degrees:

- Bachelor of Business
- Bachelor of Design and Innovation
- Bachelor of Science
- Bachelor of Laws
- Bachelor of Computer Science

Professional Recognition

Graduates are eligible to apply for graduate membership of Engineers Australia.

Pathway options

If you don't receive an offer for the engineering degrees, there are pathway options available. Visit https://bit.ly/2ybADGx

Course	Prerequisites	Campus	Guaranteed ATAR
Bachelor of Engineering (Honours) (Professional)	Minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Hawthorn	85.00
Bachelor of Engineering (Honours)	As above	Hawthorn	75.00

VICTORIA UNIVERSITY

https://bit.ly/2VyDDV4

Bachelor of Engineering (Honours) (Architectural Engineering)

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.

Global exchange

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

Graduates are eligible to apply for graduate membership of Engineers Australia.

Pathway options

If you don't receive an offer for the Bachelor of Engineering (Honours) (Architectural Engineering), there are pathway options available. View information under 'pathways and credits' https://bit.ly/2KIDvNV

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Engineering (Honours) (Architectural Engineering)	Minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in any Mathematics.	Footscray Park	ATAR wasn't used for entry in the 2020 intake.

THE UNIVERSITY OF MELBOURNE

https://bit.ly/2z653ud

The University of Melbourne offers an accredited architectural engineering qualification at the graduate level. Applicants will need to complete an undergraduate degree first.

The following are suggested study pathways at The University.

Via the Bachelor of Design

Step 1: Choose the 3-year Bachelor of Design and major in either Architecture or Civil Systems. For both majors, you will be required to choose additional subjects that are prerequisites for the Master of Architectural Engineering.

Step 2: Complete the Master of Architectural Engineering.

Via the Bachelor of Science

Step 1: Choose the 3-year Bachelor of Science and major in Civil Systems. You will be required to choose additional subjects that are prerequisites for the Master of Architectural Engineering.

Step 2: Complete the Master of Architectural Engineering.

Course information

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 final year is fully integrated, which means you bring together your skills and knowledge from both disciplines and use them to work on a practical project.

Professional Recognition

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)
- Engineering Australia provisional accreditation

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study scores of: 30 in English (EAL) or 25 in any other English and 25 in Mathematics Methods, or equivalent for the Civil Systems major - https://bit.ly/3efg5x0	Parkville	85
Bachelor of Science	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods or Specialist Mathematics; and 25 in one of Biology, Chemistry or Physics. OR: Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods AND Specialist Mathematics.	Parkville	85
Master of Architectural Engineering	Detailed entry requirements - https://bit.ly/2VvlKXl	Parkville	Graduate entry

CIVIL ENGINEERING

Civil Engineers plan, design, organise and oversee the construction and operation of dams, bridges, pipelines, gas and water supply schemes, sewerage systems, airports and other civil engineering projects.

Engineers Australia, http://bit.ly/2wXpacL

Job Outlook information - https://joboutlook.gov.au/

RMIT UNIVERSITY

http://bit.ly/3aZnw9j

Bachelor of Engineering (Civil and Infrastructure) (Honours)

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.

Combined degree

Students can apply to combine the Bachelor of Engineering (Civil and Infrastructure) (Honours) with the Bachelor of Business.

Career outcomes

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.

Civil engineers work as project managers, design engineers and engineering asset managers with consultancies, local government, road authorities, mining companies and construction companies.

Industry experience

You will complete 12-weeks of industry experience.

Professional recognition

Graduates are eligible to apply for graduate membership of Engineers Australia.

Pathway options

If you don't receive an offer for the Bachelor of Engineering (Civil and Infrastructure) (Honours), there are pathway options available. Visit https://bit.ly/35fATAm

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Engineering (Civil and Infrastructure) (Honours)	Minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Melbourne City	80.30

SWINBURNE UNIVERSITY

http://bit.ly/3d1vdh1

There are two course options to choose from:

Option 1: Bachelor of Engineering (Honours) majoring in Civil or Construction (4-years)

Option 2: Bachelor of Engineering (Honours) (Professional) majoring in Civil or Construction (5-years).

The content is the same, but you will have access to a year of paid industry experience in the Professional degree.

Global opportunities

Students can apply to undertake a study tour to Malaysia, Turkey or India to get hands-on practical experience and work with local communities.

Majors

Choose from Civil or Construction

Gain technical expertise and management skills needed to plan, design, construct and maintain infrastructure **(civil)** or facilities **(construction)** such as buildings, bridges, dams, water supply systems, waste treatment systems, road and rail networks, airports and seaports.

Professional Recognition

Graduates are eligible to apply for graduate membership of Engineers Australia.

Pathway options

If you don't receive an offer for the engineering degrees, there are pathway options available. Visit https://bit.ly/2ybADGx

Combined degrees

Students can apply to combine the Bachelor of Engineering (Honours) with one of the following degrees:

- Bachelor of Business
- Bachelor of Design and Innovation
- Bachelor of Science
- Bachelor of Laws
- Bachelor of Computer Science

Course	Prerequisites	Campus	Guaranteed ATAR
Bachelor of Engineering (Honours) (Professional)	Minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Hawthorn	85.00
Bachelor of Engineering (Honours)	Minimum study scores of 30 in English (EAL) or 25 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Hawthorn	75.00

DEAKIN UNIVERSITY

https://bit.ly/3abY3bT

Bachelor of Civil Engineering (Honours)

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 at the Geelong Waurn Ponds campus.

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.

Global opportunities

There is 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.

Design-based learning

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.

Industry experience

You will complete at least 12-weeks of industry experience.

Professional Recognition

Graduates are eligible to apply for graduate membership of Engineers Australia.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Civil Engineering (Honours)	Minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Melbourne Burwood Geelong Waurn Ponds Cloud	70.10 64.05 NP

VICTORIA UNIVERSITY

https://bit.ly/2VyDDV4

Bachelor of Engineering (Honours) (Civil Engineering)

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.

Professional Recognition

Graduates are eligible to apply for graduate membership of Engineers Australia.

Industry experience

You will complete at least 12-weeks of industry experience.

Global exchange

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

Pathway options

If you don't receive an offer for the Bachelor of Engineering (Honours) (Civil Engineering), there are pathway options available. View information under 'pathways and credits' https://bit.ly/2KJ3Z1M

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Engineering (Honours) (Civil Engineering)	Minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in any Mathematics.	Footscray Park	ATAR wasn't used for entry in the 2020 intake.

THE UNIVERSITY OF MELBOURNE

https://bit.ly/3ciDSu9

The University of Melbourne offers accredited civil engineering and structural engineering qualifications at the graduate level. Applicants will need to complete an undergraduate degree first.

The following are suggested study pathways at the University.

Step 1: Undergraduate

Complete the 3-year Bachelor of Science or the Bachelor of Design with a major in Civil Systems.

Step 2: Graduate

Complete one of the following 2-year Master degrees:

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

Civil or Structural?

Civil

Gain advanced civil engineering skills, guided by experts in infrastructure design, water resource management and transport engineering.

Our civil engineers are working on breakthrough projects from prefabricated housing for a more efficient and sustainable construction industry to applying geothermal energy for greener and cheaper heating and cooling, https://bit.ly/2V7N3la

Structural

Be guided by structural engineering experts in earthquake and blast-resistant technologies. Learn to design and develop materials and systems to protect buildings, bridges and other vital structures.

Our experts are working on projects like prefabricated housing for a more efficient and sustainable construction industry and fire-resistant building technologies, https://bit.ly/3cegGgG

Professional Recognition

The Master degrees are accredited by Engineers Australia.

Guaranteed entry

Applicants can secure guaranteed entry into the Master of Engineering via acceptance into one of the following programs:

Graduate Degree Packages, https://bit.ly/2VccVml

- Bachelor of Design / Master of Engineering
- Bachelor of Science / Master of Engineering

Melbourne Chancellor's Scholars, https://bit.ly/3abwzDp

- Bachelor of Design (Chancellor's Scholar)
- Bachelor of Science (Chancellor's Scholar)

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Design	Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 25 in Mathematical Methods (or equivalent), https://bit.ly/3efg5x0	Parkville	85
Bachelor of Science	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods or Specialist Mathematics; and 25 in one of Biology, Chemistry or Physics. OR: Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Mathematical Methods AND Specialist Mathematics.	Parkville	85

LA TROBE UNIVERSITY

https://bit.ly/3epYqmj

Bachelor of Civil Engineering (Honours)

Civil engineers are creative, curious, analytical and detail-orientated.

Graduates trained in civil engineering can specialise in construction, environmental and transport engineering, or managing people and projects.

Choose our Bachelor of Civil Engineering (Honours) and you'll be prepared to work in the design, construction and maintenance of almost all basic types of contemporary infrastructure, including bridges, multi-storey buildings, highways, railways, tunnels, airports, water supply and waste collection systems.

What you will learn

Sustainable infrastructure: Gain a grounding in the design and production of renewable energy systems.

Civil construction: Understand civil engineering from a design, practical and project management perspective.

Water resources: Water engineering is an essential component of civil engineering. Learn about fluid dynamics, hydraulic systems, hydrological cycles, water quality, water management and water treatment.

Transport engineering: Analyse and design multimodal transport facilities, road and pavement structures.

Surveying: Take measurements of the earth's surface and perform calculations to produce maps and drawings for civil engineering design and construction.

Computer aided design: Use computers and software to design, improve and assess civil engineering projects.

Professional Recognition

Graduates are eligible to apply for graduate membership of Engineers Australia.

Industry experience

You will complete at least 12-weeks of industry experience.

You can also 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.

Career opportunities

La Trobe graduates work on diverse projects all over the world, such as large-scale structural projects and oil rigs, with mining companies, water authorities and local government.

Entry pathways

Includes information on the Regional Benefits Program and the Aspire Early Admissions Program, https://bit.ly/2UPULoZ

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Civil Engineering (Honours)	Minimum study scores of 25 in English (EAL) or 20 in any other English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Melbourne Bendigo	66.40 72.75

FEDERATION UNIVERSITY

https://bit.ly/2XDWMI6

Bachelor of Engineering (Civil) (Honours)

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.

Specialisation

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 can apply to 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

Professional Recognition

Graduates are eligible to apply for graduate membership of Engineers Australia.

Scholarship

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

Pathway options

If you don't receive an offer for the Bachelor of Engineering (Civil) (Honours), there are pathway options available. View information under 'pathways/alternate entry', https://bit.ly/2YgUjU4

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Engineering (Civil) (Honours)	Minimum study scores of: 20 in any English; and 20 in one of Mathematical Methods or Specialist Mathematics.	Ballarat – Mt Helen Gippsland – Churchill	Not published

MELBOURNE POLYTECHNIC

https://bit.ly/2BcnKu9

Bachelor of Engineering Technology (Civil) (Honours)

Engineer a bright future

With a degree in civil engineering technology, you can help create our modern world.

Learn how to design and engineer skyscrapers, roads, bridges, water and drainage systems, civil engineers do it all.

Melbourne Polytechnic's Bachelor of Engineering Technology (Civil) was developed with rigorous consultation with industry stakeholders to provide a versatile degree with an option to exit to industry with an Associate Degree after the first two years of study.

The civil engineering industry has been growing very strongly for the past five years and new employment opportunities are anticipated to grow by another 10% by 2023.

Engineer a bright future

With a growing interest in sustainability and finding new ways for our cities to function into the future, civil engineering is more vital than ever.

Developed with industry for versatility, at Melbourne Polytechnic, we pride ourselves on creating industry-ready graduates, and this Bachelor Degree is no different.

Our industry-based teachers bring practical knowledge and hands-on experience to your training.

Specialisations

In your third and fourth year, you can choose to specialise in one of the following study areas:

Structural engineering

Structural engineering graduates might work in bridge design, highway structures, hydraulic structures or oil, gas and mineral exploration.

Municipal/transportation engineering

Municipal/transportation engineering graduates design, maintain and construct public walkways, water supplies and drainage networks, waste management systems, town planning and subdivision or transportation systems.

Construction engineering

Construction engineering graduates might work on large infrastructure projects, including highways, airports, ports and dams, bridges, mines and other complex building projects. As a civil engineer, your contribution is limited only by your imagination.

Professional Recognition

This program has provisional accreditation from Engineers Australia.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Engineering Technology (Civil) (Honours)	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.	Epping	50