

# Courses in Engineering

This document has been developed to assist students and parents in researching undergraduate engineering courses in Victoria, Canberra and New South Wales. It isn't an exhaustive list, and students are encouraged to research their options and to attend tertiary information sessions throughout the year.

**Exploring engineering courses:** You can search the state based Tertiary Admission Centre websites for information about courses. Please be aware that this information is for the 2015 selection period and some engineering courses may change in 2016. ATARs are for the 2014 selection period and may rise or fall in the 2016 selection period. Please only use them as a guide. Use the Herald Sun Tertiary Guide for Victorian 2015 Round 1 ATARs for the most up to date information- <http://tinyurl.com/pyuznlm>

To search for **Victorian** courses, use the Victorian Tertiary Admission Centre (VTAC) course search function

- [www.vtac.edu](http://www.vtac.edu)
- Click on Course Search
- Enter in key terms such as engineering, civil etc.
- Use the advance search function to narrow your options.



To search for **Canberra** and **New South Wales** courses, use the University Admission Centre (UAC) course search function

- [www.uac.edu.au/undergraduate/course-search/](http://www.uac.edu.au/undergraduate/course-search/)
- Enter in search terms. You can use Advance Search to search by institution.



## Key Engineering Career Websites

- **Engineer Your Career:** Fantastic website with lots of information about Engineering, [www.engineeryourcareer.org.au](http://www.engineeryourcareer.org.au)
- **What type of Engineer am I?** Take the quiz developed by RMIT, <https://trueengineer.com.au/>

# Explore engineering options

MONASH UNIVERSITY, Clayton Campus

Faculty of Engineering, [www.eng.monash.edu.au/](http://www.eng.monash.edu.au/)

## Courses

**Option 1:** You can undertake the Bachelor of Engineering (Honours) and select a major in second year from the following options:

Chemical	Civil
Electrical & Computer Systems	Materials
Mechanical	Mechatronics

You can combine the Bachelor of Engineering (Honours) with one of the degrees listed below:

Biomedical Science	Commerce
Architectural Design	Arts
Industrial Design	Pharmaceutical Science
Laws (Honours)	Science

**Option 2:** You can undertake one of the degrees listed below. Courses listed have the title of Bachelor of \_\_\_ Engineering (Honours). ATARs for all courses – 91+

Course	Double degree options
Mining	
Computer Systems	
Aerospace	Arts, Commerce, Laws (Honours) or Science.



# Explore engineering options

## SWINBURNE UNIVERSITY, Hawthorn Campus

School of Engineering, [www.swinburne.edu.au/study/areas/engineering/](http://www.swinburne.edu.au/study/areas/engineering/)

**Courses:** All courses below have the title:

Bachelor of Engineering (\_\_\_\_\_) (Honours)

- ATARs – 80+



Course	Double degree options
Biomedical	
Product Design	
Construction	
Software Engineering	
Robotics & Mechatronics	Business or Computer Science
Civil	Business or Law
Telecommunications & Network Engineering	Business or Computer Science
Electronics & Computer Systems	Business or Computer Science
Electrical & Electronic	Business
Mechanical	Business or Law

## VICTORIA UNIVERSITY, Footscray Park Campus

College of Engineering & Science, [www.vu.edu.au/engineering-science](http://www.vu.edu.au/engineering-science)

**Courses:**

- ATARs – 50+
- Architectural Engineering (Honours)
- Civil Engineering (Honours)
- Electrical & Electronic (Honours)
- Mechanical (Honours)
- Sports Engineering

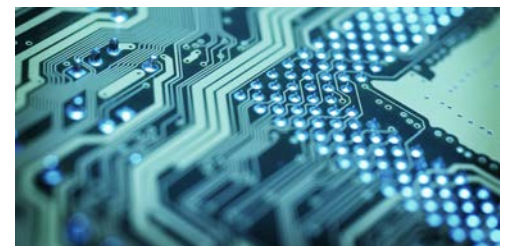
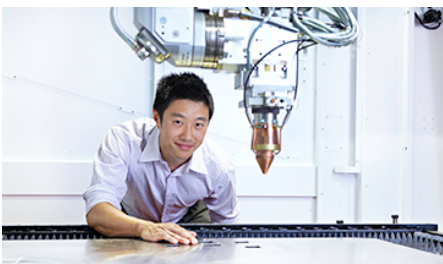


# Explore engineering options

RMIT, School of Engineering, Bundoora & City campuses, [www.rmit.edu.au/study-with-us/engineering/](http://www.rmit.edu.au/study-with-us/engineering/)

- Courses: All courses below have the title:  
Bachelor of Engineering (\_\_\_\_\_ Engineering) (Honours)
- ATARs- 80+

Course	Double degree options
Biomedical	
Electronic Product Design	
Aerospace	Management
Chemical	Applied Chemistry, Business Management, Biotechnology, or Food Technology & Nutrition
Civil and Infrastructure	Management
Computer & Network	Management or Computer Science
Electronic & Communication	Computer Science or Physics
Electrical & Electronic	International Business, Management, Entrepreneurship, or Computer Science
Electrical	Management or Commerce
Automotive	Management
Mechanical	Management, Industrial Design or Biotechnology
Sustainable Systems	Management or Industrial Design
Environmental	Environmental Science
Advanced Manufacturing & Mechatronics	International Business



# Explore engineering options

## UNIVERSITY OF MELBOURNE, Parkville Campus

- Students complete a three-year undergraduate degree in Commerce, Science, Biomedicine, or Environments with an engineering major. They then complete the two year Master program that corresponds to their major, [www.eng.unimelb.edu.au/](http://www.eng.unimelb.edu.au/)

The following table maps the majors that can be taken within each undergraduate degree:

Undergraduate Course	Undergraduate Major	Master Program/s
Science	<ul style="list-style-type: none"> <li>• Bioengineering</li> <li>• Chemical</li> <li>• Civil</li> <li>• Computing &amp; Software</li> <li>• Electrical</li> <li>• Spatial</li> <li>• Mechanical</li> </ul>	<ul style="list-style-type: none"> <li>• Biomedical</li> <li>• Biochemical, Chemical</li> <li>• Civil, Environmental, Structural</li> <li>• Software, Mechatronics</li> <li>• Electrical, Mechatronics</li> <li>• Spatial</li> <li>• Mechanical, Mechatronics</li> </ul>
Commerce	<ul style="list-style-type: none"> <li>• Bioengineering</li> <li>• Chemical</li> <li>• Civil</li> <li>• Computing &amp; Software</li> <li>• Electrical</li> <li>• Mechanical</li> </ul>	<ul style="list-style-type: none"> <li>• Biomedical</li> <li>• Biochemical, Chemical</li> <li>• Civil, Environmental, Structural</li> <li>• Software, Mechatronics</li> <li>• Electrical, Mechatronics</li> <li>• Mechanical, Mechatronics</li> </ul>
Biomedicine	<ul style="list-style-type: none"> <li>• Bioengineering</li> </ul>	<ul style="list-style-type: none"> <li>• Biomedical</li> </ul>
Environments	<ul style="list-style-type: none"> <li>• Spatial</li> <li>• Engineering Systems</li> </ul>	<ul style="list-style-type: none"> <li>• Spatial</li> <li>• Environmental, Civil, Structural</li> </ul>

# Explore engineering options

**LA TROBE UNIVERSITY, Bendigo & Melbourne**

Department of Engineering, [www.latrobe.edu.au/engineering](http://www.latrobe.edu.au/engineering)



## Courses

- All courses have the title Bachelor of \_\_\_\_ Engineering (Honours)
- ATARs – 60+, [www.latrobe.edu.au/courses](http://www.latrobe.edu.au/courses)

Course	Double degree options
Civil	Business, Science
Electronic	Computer Science
Computer Systems	
Mechatronic & Robotic	

**AUSTRALIA NATIONAL UNIVERSITY, Canberra**

College of Engineering, <http://eng.anu.edu.au/>

## Option 1: You can undertake one of the following specialist degrees:

- Bachelor of Software Engineering (Honours). ATAR - 87
- Bachelor of Engineering (Research & Development) (Honours). ATAR – 99

## Option 2:

- You can undertake the Bachelor of Engineering (Honours) and major in one of the areas listed below. ATAR – 90. There are 17 degrees you can choose from to create a double degree.

Biomedical	Electronic & Communication
Mechanical & Material	Mechatronic
Photonics	Renewable Energies

# Explore engineering options

DEAKIN UNIVERSITY, School of Engineering, Geelong, [www.deakin.edu.au/engineering](http://www.deakin.edu.au/engineering)

## Courses

- Bachelor of Civil Engineering (Honours)
- Bachelor of Electrical & Electronics Engineering (Honours)
- Bachelor of Mechanical Engineering (Honours)
- Bachelor of Mechatronics Engineering (Honours)
- ATARs – 60+



## CHARLES STURT UNIVERSITY

School of Engineering, Bathurst, NSW, [www.csu.edu.au/go/engineering](http://www.csu.edu.au/go/engineering)

### Bachelor of Technology/ Master of Engineering (Civil)

- Students will complete the first 1.5 years at the Charles Sturt University Bathurst Campus. They will then complete 4 x 1 year paid engineering internships whilst studying part time via distance.
- Selection: ATAR + Interview

## OTHER ENGINEERING SCHOOLS

- University of Wollongong: <https://eis.uow.edu.au/index.html>
- University of Technology Sydney, [www.uts.edu.au/future-students/engineering](http://www.uts.edu.au/future-students/engineering)
- UNSW: [www.engineering.unsw.edu.au/](http://www.engineering.unsw.edu.au/)

