

  
**2019**

Vocational Education

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# Associate Degree in Engineering Technology

This course is aimed at students seeking a career in engineering. It allows you to specialise in one of six engineering disciplines.

Be introduced to the fundamentals of engineering before choosing an area of specialisation.

You'll choose subjects relevant to your engineering major and undertake a real-world project to design, develop, and present a product.

This associate degree has six majors:

- Advanced Manufacturing and Mechatronics
- Aerospace Engineering
- Civil Engineering
- Computer and Network Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering

Upon graduating from this program you may be eligible for entry into the relevant bachelor degree program or work in a relevant field of study.

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## Professional recognition

The following majors are fully accredited by Engineers Australia:

- Civil Engineering
- Computer and Network Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering
- Aerospace Engineering

The following major is provisionally accredited by Engineers Australia:

- Advanced Manufacturing and Mechatronics

Graduates are eligible for graduate membership of Engineers Australia as an Engineering Associate.

## Industry connections

This program has a very strong Industry Advisory Committee (IAC). The IAC is composed of staff from local engineering organisations. It provides regular feedback on the program and the changing needs of industry.

## Career outlook

Graduates may work in a range of fields including aerospace, civil and structures, computer and networks, electronics design, electrical systems and automation, mechatronics, mechanical design and product development.

## Pathways

Graduates who achieve a grade point average (GPA) of at least 2.0 out of 4.0 are guaranteed entry with two years credit (equivalent to 192 credit points) into a RMIT Bachelor of Engineering (Honours) single degree program relevant to your major.

## Program snapshot

Program code: AD026

### Duration

Full-time: 2 years

### Location

City campus

### Selection mode

ATAR (2018: 51.35)

### How to apply

Semester 1: VTAC  
[vtac.edu.au](http://vtac.edu.au), or  
Direct to RMIT (conditions apply)  
[rmit.edu.au/programs/apply/direct](http://rmit.edu.au/programs/apply/direct)

Semester 2: Direct to RMIT  
[rmit.edu.au/programs/apply/direct](http://rmit.edu.au/programs/apply/direct)

### Fees

For local fee information:  
[rmit.edu.au/programs/fees](http://rmit.edu.au/programs/fees)

### Contact

Info Corner  
330 Swanston Street  
(cnr La Trobe Street)  
Melbourne VIC 3000  
Tel. +61 3 9925 2260

[rmit.edu.au/programs/ad026](http://rmit.edu.au/programs/ad026)



## Program structure

You'll choose subjects relevant to your engineering major and undertake a real-world project to design, develop, and present a product.

In the first year, you will learn fundamental principles of engineering that apply across the different major areas.

At the end of your first year you will select which major you will specialise in for your second year.

This associate degree has six majors:

- Advanced Manufacturing and Mechatronics
- Aerospace Engineering
- Civil Engineering
- Computer and Network Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering

<b>Year 1</b>	Engineering Science	Mathematics 1	Electrical Principles	Engineering Materials		
	Computer Applications	Engineering Management	Industrial Studies	Mathematics 2		
<b>Year 2</b>	Engineering Project A	Engineering Project B	Engineering Project	(Plus 6 major units)		
<b>Civil Major</b>	Steel Design	Fluid Systems	Structural Analysis	Soil Mechanics	Roads and Transport	Concrete Design
<b>Computer and Network Major</b>	Network Fundamentals	Internetworking Technologies	Voice and Video over IP Networks	Transmission Media	Computer Architecture	Computing Engineering
<b>Electrical and Electronic Major</b>	Advanced Electrical Theory	Network Fundamentals	Electronic Applications	Digital System Design	Computing Engineering	Transmission Media
<b>Aerospace Major</b>	Mechanics of Materials	Mechanics of Machines	Thermo-Fluids 1	Mechanics of Solids	Aerodynamics	Aircraft Systems and Integration
<b>Mechanical Major</b>	Mechanics of Materials	Mechanics of Machines	Thermo-Fluids 1	Mechanics of Solids	Thermo-Fluids 2	Manufacturing Systems
<b>Advanced Manufacturing and Mechatronics Major</b>	Mechanics of Materials	Mechanics of Machines	Thermo-Fluids 1	Mechanics of Solids	Digital System Design	Computing Engineering

Core Units - Select all 11

Major Elective Units - Select 1 major and all 6 units

Please note: This is an example of the program structure. Units may change and may not be available each semester.

This information is designed for Australian and New Zealand citizens and permanent residents of Australia.

Disclaimer: Every effort has been made to ensure the information contained in this publication is accurate and current at the date of printing. For the most up-to-date information, please refer to the RMIT University website before lodging your application. Visit [www.rmit.edu.au](http://www.rmit.edu.au). RMIT University CRICOS Provider Code: 00122A. RMIT Registered Training Organisation code: 3046. Prepared June 2018.