Master of Engineering
(Electrical and Electronic Engineering)

In this flexible program you’ll develop expertise in the analysis, design, implementation, and operation of electrical and electronic devices, systems and services.

This program will equip you to work at the cutting-edge of developments in:
- electrical energy generation and distribution
- automation
- control
- instrumentation

You will also enhance your professional skills in research, problem-solving, communication, teamwork and leadership.

Graduates can find work in a range of industries including electrical engineering, electronic engineering, power generation and distribution, aerospace, automotive, computer, telecommunications, manufacturing, resources, defence and primary.

RMIT University is ranked among the world’s top 100 universities in electrical and electronic engineering (2017 QS World University Rankings by Subject).

How you will learn

Industry plays a vital role in the development, delivery and assessment of this program, which strongly links formal learning with professional practice.

Industry expertise and experience is incorporated into the program through work-integrated learning, research projects, consulting and industry-sponsored student design projects.

Career outlook

Exciting developments in this field offer excellent career opportunities, including advancements in energy generation, distribution, automation and control, as well as electronic instrumentation, devices, sensors and telecommunications technologies.

In the private sector, graduates work in the design, manufacture and supply of engineering devices, systems and services. They work as technical experts, technical or business managers or executive officers.

In the public sector, graduates develop essential services for the community in areas such as telecommunications, networks, energy, transportation, security, defence, health, education, emergency services and environment protection.

Graduates may also establish their own businesses in local and global markets, or undertake higher studies by research.

Professional recognition

This program is provisionally accredited by Engineers Australia.

This program will be submitted for full accreditation by Engineers Australia as soon as it is feasible to do so within the accreditation timelines set by Engineers Australia.

Industry connections

Notable industry links for this program are:
- AEMO (Australian Energy Market Operator)
- ANCA (Australian Numerical Controls and Automation)
- API (The Australian Power Institute)
- Dyne Industries Pty Ltd
- Engineers Australia
- IEEE (Institute of Electrical and Electronics Engineers)
- IET (Institution of Engineering and Technology)
- Jemena
- Schneider Electric
- Telstra
- SEW-Eurodrive
- SP Ausnet
- United Energy
- Wilson Transformer Company

Program snapshot

Program code: MC180

Duration

Full-time: 2 years
Part-time: 4 years

Location

City and Bundoora campuses*

* All lectures take place at the City campus. Some elective courses require the lab classes to be run at specialised facilities at the Bundoora campus.

Program Manager

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Email: james.scott@rmit.edu.au

How to apply

Direct to RMIT University:
rmit.edu.au/programs/apply/direct

Fees

2018 indicative fees
- Commonwealth supported places (CSPs) range from $A6,561 to $A10,951
- Full-fee: $A30,720 per annum

For more information and to learn how to calculate your exact tuition fees see:
rmit.edu.au/programs/fees/postgraduate

rmit.edu.au/programs/mc180
The Master of Engineering (Electrical and Electronic Engineering) consists of 192 credit points.

In addition to compulsory core courses, you will select technical electives in electrical, electronic, telecommunications, network and computer engineering to match your career goals.

In both years of the program you will undertake major engineering projects to apply your technical skills and develop communication, teamwork and project management skills.

You will also complete 12 weeks of professional engineering experience to develop the graduate capabilities required by Engineers Australia.

Entry requirements

Successful completion of an Australian bachelor degree with a GPA of at least 2.0 out of 4.0 in engineering (computer, electronic, telecommunications, electrical, communication, network) or equivalent.

International qualifications are assessed according to the Australian Qualifications Framework (AQF).

Program Electives

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 2 Option A</th>
<th>Year 2 Option B</th>
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<tbody>
<tr>
<td></td>
<td>Professional Engineering Project Part A</td>
<td>Program elective group A</td>
<td>Program elective group A</td>
</tr>
<tr>
<td></td>
<td>Professional Engineering Project Part B</td>
<td>Project Preparation, Planning and Problem Solving</td>
<td>Program elective group A</td>
</tr>
<tr>
<td></td>
<td>Professional Engineering Advanced Project Part A</td>
<td>Professional Experience Postgraduate</td>
<td>Program elective group B</td>
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<tr>
<td></td>
<td>Professional Engineering Advanced Project Part B</td>
<td>Program elective group B</td>
<td>Program elective group B</td>
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<tr>
<td></td>
<td>Professional Experience Postgraduate</td>
<td>Program elective group B</td>
<td>Program elective group B</td>
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<tr>
<td></td>
<td>Research Project OR Research Project Part 1 and Part 2</td>
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Credit and exemptions

If you have successfully completed one of the following qualifications majoring in engineering you will be eligible for exemptions as follows:

<table>
<thead>
<tr>
<th>Qualification level</th>
<th>Exemptions</th>
<th>Remaining program duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate certificate in the same discipline</td>
<td>Up to 48 credit points (equivalent to one semester of full-time study)</td>
<td>144 credit points (equivalent to three semesters of full-time study)</td>
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<tr>
<td>Graduate diploma in the same discipline</td>
<td>Up to 96 credit points (equivalent to two semesters of full-time study)</td>
<td>96 credit points (equivalent to two semesters of full-time study)</td>
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Graduates of this postgraduate program can apply for higher studies by research.