This program prepares you for leadership roles in the management of engineering and technology-based organisations with a program tailored to your individual needs.

You’ll develop skills and expertise in a broad range of engineering management practices. The program’s major strengths come from:

- thinking strategically
- addressing problems from a new point of view
- challenging established practices and norms
- developing innovative approaches
- understanding how to manage an ever-changing technology base
- developing a systems approach to problem and/or opportunity definition.

It will expose you to real-world issues in the areas of:

- risk and feasibility
- managing innovation
- developing systems thinking approaches
- quality management
- environmental management systems
- cleaner production
- strategic planning
- financial management
- performance management
- international issues
- technology management.

Learning and teaching

Your learning experiences will contain a broad mix of study modes, including lectures, presentation seminars, tutorials and written assignments. Lectures and tutorials are typically delivered in the evenings throughout each semester with occasional weekend workshops.

Active engagement in class discussions is strongly encouraged, along with small group-based activities.

RMIT University is committed to providing you with an education that strongly links formal learning with professional or vocational practice.

During this program you’ll:

- undertake and be assessed on structured activities that allow you to learn, apply and demonstrate your professional or vocational practice
- interact with industry and the community when undertaking these activities
- complete these activities in real or simulated work contexts or situations.

Industry connections

Industry plays a vital role in the development, delivery and assessment of the program through membership of the School Program Advisory Committee (PAC), which comprises industry representatives, academic staff and alumni.

Career outlook

Graduates take on management responsibilities in engineering and technology-based enterprises and organisations.
Program structure

The Master consists of 192 credit points. After completing 96 credit points of study approved by the Program Manager, you may exit with a graduate diploma.

You can focus your studies in the following areas:
- technology management
- environmental management
- performance management
- risk management
- engineering economic strategy
- international engineering management
- project management
- quality management
- logistics management
- systems engineering.

Specialisations from other areas within RMIT are also available.

In this program, you’ll do specific courses that focus on work-integrated learning (WIL). You’ll be assessed on professional or vocational work in a workplace setting (real or simulated) and receive feedback from those involved in our industry. The Master’s Research Project involves WIL through an industry-relevant project.

**Year 1**

Complete the following core courses:

**Building Quality Organisations**
You will be introduced to the general principles of quality management in an engineering and technology-based environment.

**Industrial Systems and Environment**
This course will teach you the essential principles and concepts of applying information technology in industrial settings for the purpose of cleaner production and ecologically sustainable industrial development.

**Management of Technology**
You will learn the analytical structure and processes of organisations concerned with developing and/or utilising technology. You will develop skills to apply this knowledge to help decision making for shaping and accomplishing the strategic and operational objectives of the organisation.

**System Engineering Principles**
In this course, you will learn the analytical structure and concepts of systems, systems thinking and systems life cycle, all of which are necessary in dealing with complex problems.

For details about the online program, please visit:
rmitonline.edu.au.

**Risk Management and Feasibility**
In this course you will study risk and the effect of technology on the management of risk. You will develop your ability to use a systematic and reasonably consistent method of deciding actions on the risks a system needs to handle.

**Engineering Economic Strategy**
This course will give you the foundation knowledge for corporate strategic planning for enterprises and organisations that have a significant engineering and technology base.

And complete one of the following electives:
- International Engineering Management
- Performance Management Foundations
- System Simulation and Characterisation
- Planning and Control.
Year 2

Complete the following core courses:

Project Management
In this course you will learn the concept of customer-driven project management through the design and development of project proposals based on case studies and public tenders.

Research Methods in Engineering
You will develop skills to plan and undertake a research project.

And complete one of the following electives (not previously completed):
- International Engineering Management
- Performance Management Foundations
- System Simulation and Characterisation
- Planning and Control.

And complete one:
- approved postgraduate elective.

And complete the following course:
- Master’s Research Project.

Or complete the following two courses:
- Master’s Research Project Part 1
- Master’s Research Project Part 2.

Credit and exemptions
If you have already developed areas of skill and knowledge included in this program (for example, through prior studies or work experience), you can apply for credit once you have enrolled in this program.

There is information on the RMIT University website about how to apply for credit:

rmit.edu.au/students/enrolment/credit/

<table>
<thead>
<tr>
<th>Qualification level</th>
<th>Exemptions</th>
<th>Remaining program duration</th>
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</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>
</tr>
<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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</tbody>
</table>

If you have successfully completed one of the following qualifications you will be eligible for exemptions as shown.

- An Australian Bachelor of Technology, Bachelor of Engineering Science or Bachelor of Engineering, at AQF level 8 or equivalent, in any engineering discipline, or a Bachelor of Business, at AQF level 8 or equivalent, in any business discipline.
- An Australian Master of Engineering, Master of Business or PhD, or equivalent, in any engineering or business discipline.

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

- An Australian Bachelor of Technology, Bachelor of Engineering Science or Bachelor of Engineering, at AQF level 7 or equivalent, in any engineering discipline, or a Bachelor of Business, at AQF level 7, or equivalent, in any business discipline AND at least two years’ relevant work experience in engineering or business.
- An Australian Master of Engineering, Master of Business or PhD, or equivalent, in any engineering or business discipline.
Master of Engineering (Management)

How to apply

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

Semester 1, 2017
- Applications open 14 August 2016
- Timely applications close 10 November 2016

Semester 2, 2017
- Applications open 1 May 2017
- Timely applications close 31 May 2017

Fees

2017 indicative fees
- Commonwealth supported places (CSPs) range from AU$6,349 to AU$10,596
- Full-fee: AU$29,760 per annum

How much you’ll pay will depend on whether you’re offered a Commonwealth supported place or a full-fee place. Entry for this program is primarily through CSPs. Government financial assistance is available to eligible students regardless of the type of place you enrol in.

Entry requirements

- An Australian Bachelor of Technology, Bachelor of Engineering Science or Bachelor of Engineering, or equivalent, in any engineering discipline, or a Bachelor of Business, or equivalent, in any business discipline, with a Grade Point Average (GPA) of equal to or greater than 2.0 out of 4.0. Applicants with a GPA less than 2.0 out of 4.0 may be considered on a case-by-case basis, with consideration given to at least two years’ relevant work experience in engineering or business

OR

- An Australian Master of Engineering, Master of Business or PhD, or equivalent, in any engineering or business discipline. International qualifications are assessed for comparability to Australian qualifications according to the Australian Qualifications Framework (AQF).

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