



Master of Engineering Management

CRICOS: 102618F

The Master of Engineering Management (MEM) course has been developed for students with an engineering, technology or science background, aiming to equip them with specialised theoretical knowledge and practical experience in the field of management. The program is designed to cultivate individuals adept in engineering management, with the cognitive, technical and creative skills to solve problems, manage risks and develop strategies in an organisational context.

Students will also develop the teamwork and leadership abilities necessary to apply effective engineering management practices in technical organisations. Increased understanding will be developed through the inclusion of foundational project management skills, innovation and entrepreneurship knowledge, as well as sustainability practices, all of which impact on contemporary technical organisations.

Your career

The potential employment opportunities may include, but are not limited to, the following roles within organisations across various industries:

- Senior Engineering Manager
- Engineering Manager
- Chief Technical / Technology Officer
- Technology Advisor
- Operations Manager
- Production Manager
- Service Manager
- Quality Manager

The course objective is to develop graduates who demonstrate a high level of strategic competence and strong ability to interpret information to solve organisational problems. Graduates need to be able to work between technical teams and managerial teams in the organisation to translate needs and possible solutions. Graduates will be able to determine which strategies to use when addressing and managing challenges faced by organisations. They will also acquire expertise in research and problem solving, to maintain and develop their professional practice once in the workplace. Graduates are prepared to engage in ongoing self-reflection, self-directed learning and professional development activities.

The MEM course will be facilitated on campus via small classes. With online delivery options available, students are offered increased flexibility to meet the needs of the working professional. Their studies can be immediately applicable to their day job and/or future career.

“Torrens University has access to world class content, which is being adapted and delivered by highly qualified Australian facilitators who have both industry and academic experiences. This means the content that I learn can be directly applied to a work place.”

Sigrid Frede
Graduate



Your graduation pathway:

Course structure

You must complete 10 core subjects (100 credit points) and six elective subjects (60 credit points). The course is 2 years full-time or 4 years part-time and is available online or on-campus at Sydney, Melbourne, Brisbane and Adelaide.

Core subjects:

- Business Environment
- Business Communication
- Financial Management
- Principles of Project Management
- Engineering Sustainability
- Engineering Risk Management
- Management, People and Teams
- Innovation, Creativity and Entrepreneurship
- Engineering Strategy
- Engineering Management Capstone

Elective subjects:

- Foundations of Information Systems
- Data Modelling and Database Design
- Micro services Architecture
- Requirements Engineering
- Systems Analysis and Design
- Cybersecurity
- Agile Project Management
- Data Management and Analytics
- Dynamic Leadership
- Business Decision Analytics
- Systems Thinking
- Strategic Management
- Corporate Sustainability
- Integrated Project Process Management
- Project Planning and Budgeting
- Contracts and Procurement
- Sustainability in Project, Portfolio and Program Management

Entry requirements:

Academic entry requirements




Successful completion of an undergraduate engineering or technology-based degree (such as Mechanical, Civil, Electrical, Electronics, Chemical, and Software Engineering; Computer Sciences, IT, IS, Bioinformatics, Biotechnology or degrees in Basic and /or Applied Sciences) or equivalent.

Work and Life Experience

Applicants without formal qualifications are eligible to apply if they have seven (7) years of professional, administrative or managerial work experience in an engineering or technical organisation. Applications will be assessed on a case-by-case basis.

Additional Entry Requirements for International Students:

IELTS 6.5 (overall with no sub-scores less than 6.0 or equivalent).

-  FEE-HELP available
-  Online or on-campus available
-  Part-time or full-time study load

Begin your career in Engineering Management today

Apply online at apply.torrens.edu.au

Talk to one of our helpful Course and Careers Advisors on **1300 575 803**

Get in touch via email enquiries@tua.edu.au