

Masters Degree in Engineering Management



Programme Overview

Take your career to the next level with our hybrid online Masters in Engineering Management (MEM), designed specifically for early to mid-career engineers and scientists. This programme equips you with the essential skills to manage engineering, technology, innovation, strategy, projects, and teams—preparing you to become a proactive leader shaping the future.

Delivered in English, the MEM offers flexibility for part-time students from anywhere in the world, our programme allows you to balance your career and studies. This degree is your gateway to unlocking leadership roles and driving meaningful change in the engineering landscape.



Key Features

Hybrid Online Delivery

Flexible, module-based format designed for working professionals, allowing you to study from anywhere in the world while balancing your career and personal commitments.

Comprehensive Skill Development

Builds on your technical and scientific background with practical management and leadership skills, ensuring you can excel in your current role while creating future opportunities.

Industry Relevance & Global Reach

The curriculum is aligned with the latest trends and demands in engineering and technology industries, ensuring practical, real-world applications, international community of students, alumni network, events and career relevance.

Future-Focused Curriculum

Cutting-edge content that covers essential areas like engineering management, technology, innovation, project management, strategy, and leadership to prepare you for the challenges of tomorrow's workplace.

Interdisciplinary Approach

Combines principles from engineering, business, and innovation management to offer a well-rounded education that equips you to lead across industries.

Leadership Focus

Equips you with the tools to not just manage but to lead teams and projects, with an emphasis on creating a positive impact in your organization and shaping the future of the industry.



For the employer:

Employers are important partners in the student's MEM experience. They will benefit significantly from graduates who have developed a range of engineering management capabilities and are ready to apply them in the company – starting with the topic of the Research Assignment. Supporting a MEM student with time to study and perhaps financial assistance is a smart investment in the acquisition, development and retention of human capital that will bring unbounded returns.

PROGRAMME STRUCTURE

Duration: Part-time (2-3 year) options.

Delivery Mode: Hybrid, online, catering to working professionals.

Module Structure

Interactive, applied learning consisting of group projects, Harvard Business case studies, discussion forums and live webinars, amongst others.

YEAR 1

Semester 1

- Introduction to Engineering Management (IEM 873)
- Technology Management (TM 873)

Semester 2

- Innovation Management (IM 873)
- Project Management (PM 816)

YEAR 2

Semester 1

- Advanced Engineering Management (AEM 874)
- Quantitative Management for Engineers (QME 873)

Semester 2

- Advanced Strategic Management (ASM 873)

Electives (choose one only)

- Technological Entrepreneurship (TE 873)
- Emerging Topics in Engineering (ETE 873)

- Project Financial Management (block sessions) (PEF 812)
- Data Science (block sessions) (DS 874)

YEAR 3

- Research Assignment ('Mini-thesis') (RA 875)



Admission requirements:

An NQF Level 8 qualification, such as a BEng or a BSc (Hons) degree in any discipline from a South African university, or a B.Eng.Tech(Hons) degree from a South African university of technology (or the international equivalents). At least one year (but preferably more) of relevant work experience... as well as the drive to achieve, the will to succeed and the ambition to shape the future. A limited number of students with other qualifications can also be considered under the University's Recognition of Prior Learning (RPL) regulations.



Applications

Deadline: Applications close on the 31st of October every year for SA and International students.

Steps to Apply



Fees



Social Media



Testimonials



Career Prospects

Graduates can pursue careers as engineering managers, project managers, operations managers, consultants or entrepreneurs, where they apply both technical expertise and business acumen to oversee projects, manage teams, optimize processes, and drive innovation.

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