Stellenbosch UNIVERSITY IYUNIVESITHI UNIVERSITEIT

Engineering
Department of Industrial Engineering
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Departement Bedryfsingenieurswese

Master's Degree in Engineering Management

Programme Overview

Take your career to the next level with our hybrid online Masters in Engineering Management, designed specifically for early to mid-career engineers and scientists. This program 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 program 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 students, 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 and 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 Employers

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 an 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 for working professionals. Complete in 2 or 3 years—your performance depends on when you take the Research Assignment module.
- **Delivery Mode:** Hybrid online format, designed specifically for full-time, global, working professionals.
- **Module Structure:** Interactive, applied learning with group projects, Harvard Business case studies, discussion forums, live webinars, and more.

Year 1

Semester 1	Semester 2
• Introduction to Engineering Management • Technology Management	• Innovation Management • Project Management

Year 2

Semester 1	Semester 2
• Advanced Engineering Management • Quantitative Management for Engineers	• Advanced Strategic Management

Electives (choose only one)

• Technological Entrepreneurship • Emerging Topics in Engineering	• Project Financial Management (block sessions) • Data Science (block sessions)

Year 3

Research Assignment ('Mini-thesis')

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.

Application Deadline

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

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, optimise processes, and drive innovation.

Contact Information

MEM Website

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Contact us

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Social Media

Master's Degree in Engineering Management at Stellenbosch University

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