Master of Science in Engineering Management
Designed for leading-edge engineering, management, and technology professionals

The Master of Science in Engineering Management (MSEM) degree program is highly relevant to organizations who are continually striving to close the gap between engineering, technology, and management for performance. The field of engineering spans across several business sectors due to the fact that the field incorporates process, design, technology, and the management of projects and people. The program highlights the synergism between the application of engineering and management as part of strategic planning and in order to sustain competitive advantage.

MSEM Program Overview

Required Courses

- MSEM 525   Strategic Management in a Globalized Economy
- MSEM 530   Managing Information Systems & Technology
- MSEM 600   Principles of Engineering Management
- MSEM 601   Operations Management
- MSEM 605   Product & Design Process Development
- MSEM 606   Management of Information Security
- MSEM 608   Information Technology Project Management
- MSEM 615   Enterprise Resource Planning Systems
- MSEM 617   E-Business Technology & Management
- MSEM 641   Leading Strategic Change within Organizations
- MSEM 690   Big Data Analytics
- MSEM 694   Applied Engineering Management Capstone Project

Total 36 credit hours

Key Learning Outcomes

- Evaluate the functions of Engineering Management
- Design strategic plans to improve efficiency & effectiveness
- Develop processes for manufacturing & production systems
- Formulate strategies to manage and motivate a diverse workforce
- Create & improve Engineering Management in an ethical way

Career Opportunities

- Director of Engineering
- Senior Systems Engineer
- Manufacturing Manager
- Engineering Project Manager
- Business Development Manager
- Vice President of Engineering
- Technology Manufacturing Manager
- Chief Operations Officer

Why Westcliff University for MSEM?

WSC Senior College and University Commission	ACBSP CANDIDATE FOR ACCREDITATION	$	✓	☁	👥	🕐	👥
Regional Accreditation	Candidate for Global Accreditation	Affordable Tuition	No GMAT/GRE	Live Online Classes	10:1 Student:Faculty	Flexible Schedule	Dedicated Career Services Team