

Master of Science in Engineering Technology Management Fact Sheet

Why is this degree beneficial?

- MSETM *builds on technical expertise and adds the managerial aspects* of leading technical professionals in technical environments.
 - resource management
 - quality systems
 - project management
 - operations leadership
 - technical leadership

What opportunities will this degree provide?

- Job choices (Manager, Engineer, Entrepreneur, Educator)
- Promotions
- Economic Security
- Prestige and Job Satisfaction

Application process

- Job Experience
- Transcripts
- GRE

International students

- TOEFL or IELTS (or ESLI)
- Transcripts
- GRE

Conditional or full admission based upon performance in specified graduate course work. Students can enroll in courses as a non-degree seeking student prior to admission.

Overview

- Online or face-to-face courses, eight-week bi-term or full semester courses
- No prerequisites—take the courses anytime
- Different than an MBA because it emphasizes *technical leadership*

Program Mission Statement

The Master of Science in Engineering Technology Management develops leaders to support the needs of the modern world-wide industry. Graduates of the program are equipped to manage organization resources, lead technological change, and strategically integrate higher-level knowledge within their companies.

Program Description

The purpose of the Master of Science in Engineering Technology Management is to develop leaders with skills, knowledge, and vision to manage changing business needs for economic and community development that increases international competitiveness.

Master's Curriculum

MS in Engineering Technology Management		
Management Core: 12 hrs/ 4 courses		
Resource Management	AMS 520	3
Operations Leadership	AMS 590	3
Project Management	AMS 655	3
Quality Management	AMS 671	3
Electives: 12 hrs/ 4 courses		12
Emerging Technologies	AMS 510	
Theory of Constraints	AMS 540	
Lean Systems	AMS 594	
Six Sigma Quality*	AMS 580	
Product Development	AMS 588	
Supply Chain Management	AMS 650	
Automated Data Collection	AMS 530	
Workforce Development	AMS 535	
Legal & Ethics Issues in Technology	AMS 630	
Research: 9 hrs/ 2 courses		
Research Methods Technology Mgmt.	AMS 571	3
Thesis	AMS 599	6
Grand Total Hours:		33

Lean Six Sigma Graduate Certificate

Lean Six Sigma Certificate		
Core: 9 hrs		
Theory of Constraints	AMS 540	3
Lean Systems	AMS 594	3
Six Sigma Quality*	AMS 580	3
Select 1 course:		3
Quality Management	AMS 671	
Operations Management	AMS 590	
Project Management	AMS 655	
Resource Management	AMS 520	
Grand Total Hours:		12

*Prerequisite: Instructor approved statistics course and statistical process control (SPC) course or AMS 271 Industrial Statistics.

High Quality Education for Technically Competent Managerial Professionals

<http://www.wku.edu/msetm>