

# ENGINEERING MANAGEMENT GRADUATE MAJOR (MENG)

This program is available at the following location:

- Ecampus

The Engineering Management program provides STEM professionals with an opportunity to advance their careers in technology-driven organizations. Career opportunities may include positions in aerospace, energy, construction, consulting, computer hardware and software, and manufacturing. Students will gain knowledge in the management of a technical organization, project management, and engineering economics.

**Major Code: 3050**

*Upon successful completion of the program, students will meet the following learning outcomes:*

- Conduct research or produce some other form of creative work.
- Demonstrate mastery of subject material.
- Conduct scholarly or professional activities in an ethical manner.
- Communicate effectively and flexibly with a range of audiences.
- Demonstrate critical thinking skills in application of program knowledge.

Code	Title	Credits
<b>Required Core</b>		
IE 571	PROJECT MANAGEMENT IN ENGINEERING	3
CE 507	SEMINAR	1
EMGT 572	INTRODUCTION TO MANAGEMENT FOR ENGINEERS AND SCIENTISTS	4
EMGT 573	ADVANCED ENGINEERING ECONOMICS ANALYSIS	4
EMGT 595	ENGINEERING MANAGEMENT CAPSTONE	3
<b>Electives</b>		
Select 30 credits from the following courses: <sup>1</sup>		30
BA 513	BUSINESS LEGAL ENVIRONMENT	
BA 515	MANAGERIAL DECISION TOOLS	
BA 550	LEADERSHIP AND TEAMS IN ORGANIZATIONS	
BA 561	SUPPLY CHAIN MANAGEMENT	
BA 569	ADVANCED STRATEGIC MANAGEMENT	
BA 572	ADVANCED INFORMATION SYSTEMS	
BA 590	MARKETING MANAGEMENT	
BANA 560	BUSINESS ANALYTICS AND AI FOR COMPETITIVE ADVANTAGE	
EMGT 530	LEAN FOR ENGINEERING MANAGERS	
EMGT 552/CCE 552	PROJECT RISK MANAGEMENT	
EMGT 554/CCE 554	PROFESSIONAL RESPONSIBILITY AND ETHICS	
EMGT 560	ELEVATING PROBLEM-SOLVING TO DRIVE CHANGE	
EMGT 574	OPERATIONS MANAGEMENT	
EMGT 584	SYSTEMS ENGINEERING	
EMGT 585	LEGAL ASPECTS OF ENGINEERING MANAGEMENT	
EMGT 587	MANAGEMENT OF INFORMATION SYSTEMS	
EMGT 588	MANAGEMENT OF NEW PRODUCT DEVELOPMENT	
EMGT 590	STRATEGIC PLANNING IN ENGINEERING ORGANIZATIONS	
EMGT 591	STATISTICAL CONCEPTS FOR ENGINEERING MANAGERS	
MGMT 548	EMPLOYEE RECRUITMENT AND SELECTION	
MGMT 552	ORGANIZATIONAL BEHAVIOR	
MGMT 559	MANAGING ETHICS AND CORPORATE SOCIAL RESPONSIBILITY	

SCLM 550	SUPPLY AND SOURCING MANAGEMENT
Total Credits	45
1	

Students may take up to four non-IE or non-EMGT courses to achieve the 45 credit minimum. Students should meet with an advisor to discuss all elective course choices

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