

# ENGINEERING MANAGEMENT GRADUATE CERTIFICATE

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Available only via Ecampus.

This program focuses on the application of engineering principles to the planning and operational management of industrial and manufacturing operations, and prepares individuals to plan and manage such operations. It includes instruction in accounting, engineering economy, financial management, industrial and human resources management, industrial psychology, management information systems, mathematical modeling and optimization, quality control, operations research, safety and health issues, and environmental program management.

## Certificate Code: CG22

Code	Title	Hours
<b>Core</b>		
IE 571	PROJECT MANAGEMENT IN ENGINEERING	3
IE 581	OPERATIONS MANAGEMENT	4
IE 582	INTRODUCTION TO MANAGEMENT FOR ENGINEERS AND SCIENTISTS	4
IE 583	ADVANCED ENGINEERING ECONOMICS ANALYSIS	4
<b>Electives</b>		
Select one course from the following:		3-4
IE 584	SYSTEMS ENGINEERING	
IE 585	LEGAL ASPECT OF ENGINEERING MANAGEMENT	
IE 586/CCE 552	PROJECT RISK MANAGEMENT	
IE 587	MANAGEMENT OF INFORMATION SYSTEMS	
IE 588	MANAGEMENT OF NEW PRODUCT DEVELOPMENT	
IE 589/CCE 554	PROFESSIONAL RESPONSIBILITY AND ETHICS	
IE 590	STRATEGIC PLANNING IN ENGINEERING ORGANIZATIONS	
MFGE 536	LEAN MANUFACTURING SYSTEMS ENGINEERING	
Total Hours		18-19

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