

Engineering Management (MR): Facilities Engineering Concentration

Degree Requirements

Core Requirements

Code	Title	Hours	Counts towards
Required Courses		15	
ISE/OR 501	Introduction to Operations Research		
Select one of the following courses:		3	
ST 513	Statistics for Management and Social Sciences I		
ST 515	Experimental Statistics for Engineers I		
ST 516	Experimental Statistics For Engineers II		
ST 517	Applied Statistical Methods I		
ST 518	Applied Statistical Methods II		
Select one of the following courses:		3	
EGR 501	Engineering Leadership and Strategic Change		
COM 530	Interpersonal Communication in Science and Technology Organizations		
COM 527	Seminar in Organizational Conflict Management		
COM 556	Seminar In Organizational Communication		
Select one of the following courses:		3	
EM 530	Project Management		
CE 561	Construction Project Management		

EGR 590 Special Topics in Engineering (Engineering Project Management)

BUS 554 Project Management

Select one of the following courses: 3

ISE 510 Applied Engineering Economy

EGR 505 Managerial Finance for Engineers

CE 567 Risk and Financial Management in Construction

Concentration Requirements

Code	Title	Hours	Counts towards
Required Courses		15	
Select three of the following courses:		9	
EGR 517	Facilities Engineering Systems		
EGR 518	Environmental Compliance for Facilities Engineers		
CE 564	Legal Aspects of Contracting		
CE 565	Construction Safety Management		
TE 533	Lean Six Sigma Quality		
ISE 535	Python Programming for Industrial & Systems Engineers		
ISE 748	Quality Engineering		
CE 578	Energy and Climate		
CE 590	Special Topics In Civil Engineering (Modeling and Analysis of Civil Engineering Systems)		
CE 775	Modeling and Analysis Of Environmental Systems		

CE 504	Airport Planning and Design	
MAE 540	Advanced Air Conditioning Design	
ECE 551	Smart Electric Power Distribution Systems	
Technical Elective		3
Technical electives are determined in conjunction with the academic committee		
Select one of the following courses:		3
ISE 677	Industrial Engineering Projects	
MBA 559	Business Analytics Practicum	
CE 675	Civil Engineering Projects	
IMS 675	Manufacturing Systems Engineering Project	
EM 675	Engineering Management Masters Project	
Total Hours		30

Faculty

Director

Brandon M. McConnell, *Interim Director*

Full Professors

Sebastian Heese, *Owens Distinguished Professor of Supply Chain Management*

John Baugh, *Professor*

Joseph DeCarolis, *Professor*

Jingyan Dong, *Professor*

Yahya Fathi, *Professor*

Ola Harrysson, *Edward P. Fitts Distinguished Professor*

Jessica Jameson, *Professor*

Edward Jaselskis, *E.I. Clancy Distinguished Professor*

Russell King, *Foscue Distinguished Professor*

Yuan-Shin Lee, *Professor*

Maria Mayorga, *Professor*

Rohan Shirwaiker, *James T. Ryan Professor*

Daowen Zhang, *Professor*

Associate Professors

Karen Chen, *Associate Professor*

Adolfo R. Escobedo, *Associate Professor*

Michael Kay, *Associate Professor*

Tim Kraft, *Associate Professor of Operations and Supply Chain Management*

Osman Ozaltin, *Associate Professor of Personalized Medicine*

Daniel Saloni, *Associate Professor*

Jeffrey Stonebraker, *Associate Professor of Operations and Supply Chain Management*

Hong Wan, *Associate Professor*

Don Warsing, *Associate Professor of Operations and Supply Chain Management*

Assistant Professors

Xiaolei Fang, *Assistant Professor*

Leila Hajibabai, *Assistant Professor*

Associate Research Professor

Christopher D. Rock, *Associate Research Professor*

Associate Teaching Professor

Meagan Kittle Autry, *Associate Teaching Professor*

S. Sebnem Ahiska King, *Teaching Associate Professor*

Fred Livingston, *Associate Teaching Professor*

Kanton Reynolds, *Associate Teaching Professor*

Teaching Assistant Professor

Nur Ozaltin, *Teaching Assistant Professor*

Professor of the Practice

Doug Morton, *Professor of the Practice*

James Rispoli, *Professor of the Practice*

Michael Spano, *Professor of Practice*

Emeritus Faculty

Javad Taheri, *Associate Research Professor Emeritus*

Associate and Adjunct Faculty

Edwin Addison, *Adjunct Professor*

Lecturers

Steven DelGrosso, *Lecturer*

Dan Harris, *Lecturer*

Dan Kempton, *Adjunct Lecturer*

Robert Nunez, *Lecturer*