

Engineering Management (MR): Facilities Engineering Concentration

Degree Requirements

Core Requirements

Code	Title	Hours
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
COM 530	Interpersonal Communication in Science and Technology Organizations	
COM 527	Seminar in Organizational Conflict Management	
COM 556	Seminar In Organizational Communication	
EM/EGR 501	Engineering Leadership and Strategic Change	
Select one of the following courses:		3
BUS 554	Project Management	
CE 561	Construction Project Management	
EGR 590	Special Topics in Engineering (Engineering Project Management)	
EM 530	Project Management	
Select one of the following courses:		3
CE 567	Risk and Financial Management in Construction	
EGR 505	Managerial Finance for Engineers	
ISE 510	Applied Engineering Economy	

Concentration Requirements

Code	Title	Hours
Required Courses		15
Select three of the following courses:		9
ARC 525	Sustainability Over the Life of a Building	
CE 504	Airport Planning and Design	
CE 550	Professional Engineering Communication	
CE 564	Legal Aspects of Contracting	
CE 565	Construction Safety Management	
CE 575	Renewable Energy and the Grid	
CE 578	Energy and Climate	
CE 588	Water Resources Engineering	
CE 590	Special Topics In Civil Engineering (Modeling and Analysis of Civil Engineering Systems)	
CE 775	Modeling and Analysis Of Environmental Systems	

ECE 551	Smart Electric Power Distribution Systems	
EM/EGR 517	Facilities Engineering Systems	
EM/EGR 518	Environmental Compliance for Facilities Engineers	
EM/ISE 534	Artificial Intelligence for Engineering Managers	
ISE 535	Python Programming for Industrial & Systems Engineers	
ISE 748	Quality Engineering	
MAE 540	Advanced Air Conditioning Design	
PA 520	Seminar in Urban Management	
PA 521	Government and Planning	
TE 533	Lean Six Sigma Quality	
Technical Elective		3
Technical electives are determined in conjunction with the academic committee		
Select one of the following courses:		3
CE 675	Civil Engineering Projects	
EM 675	Engineering Management Masters Project	
IMS 675	Manufacturing Systems Engineering Project	
ISE 677	Industrial Engineering Projects	
MBA 559	Business Analytics Practicum	
Total Hours		30

Faculty

Director

Brandon M. McConnell, *Interim Director*

Full Professors

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

Jonathan Bohlmann , *Professor of Marketing and Innovation*

John Baugh, *Professor*

Joseph DeCarolus, *Professor*

Jingyan Dong, *Professor*

Shu-Cherng Fang, *Walter Clark Chair Professor and University Alumni Distinguished Graduate Professor*

Yahya Fathi, *Professor*

Rob Handfield, *Bank of America University Distinguished Professor of Operations and Supply Chain Management*

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*

Julie Swann, *A. Doug Allison Distinguished Professor and Department Head*

Daowen Zhang, *Professor*

Associate Professors

Karen Chen, *Associate Professor*

Adolfo R. Escobedo, *Associate Professor*

Xiaolei Fang, *Associate Professor*

Leila Hajibabai, *Associate Professor*

Tim Horn, *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*

Xu Xu, *Associate Professor*

Assistant Professors

S Mohammad Hosseinian, *Assistant Professor*

Jordan Kern, *Assistant Professor*

Ben Rachunok, *Assistant Professor*

Sara Shashaani, *Assistant Professor*

Renran Tian, *Assistant Professor*

Associate Research Professor

Christopher D. Rock, *Associate Research Professor*

Teaching Professor

Corey Kiassat, *Teaching 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 Professors

Donnie Hale, *Teaching Assistant Professor in Business Analytics*

Nur Ozaltin, *Teaching Assistant Professor*

Professor of the Practice

Steven DelGrosso, *Professor of the Practice*

Doug Morton, *Professor of the Practice*

James Rispoli, *Professor of the Practice*

Emeritus Faculty

Javad Taheri, *Associate Research Professor Emeritus*

Associate and Adjunct Faculty

Edwin Addison, *Adjunct Professor*

Lecturers

Ken Gregory, *Lecturer*

Dan Harris, *Lecturer*

Dan Kempton, *Adjunct Lecturer*

Robert Nunez, *Lecturer*