# Engineering Management (MR): Professional Practice Concentration

## Degree Requirements

### Core Requirements

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

### Required Courses

- 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

### Electives

Select three of the following courses:
- Engineering electives with a College of Engineering prefix (includes CSC)
- Management electives with a prefix of MBA, BUS, or MIE

### Required

- EM 675 Engineering Management Masters Project
- ISE 677 Industrial Engineering Projects
- IMS 675 Manufacturing Systems Engineering 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

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