Risk and Emergency Management
Course Requirements:

- EMGT 602 – Introduction to Risk and Emergency Management
- EMGT/IE 614 – Engineering Quantitative Risk Analysis Methods
- EMGT/IE 691 – Industrial Safety and Public Health Analysis Methods

and
- EMGT/IE 620 – Multi-Criteria Decision Analysis
or
- EMGT/IE 626 – Discrete Systems Simulation

Engineering Supply Chain Management
Course Requirements:

- EMGT/IE 619 – Engineering Supply Chain
- EMGT/IE 645 – Quantitative Models of Supply Chain Management
- EMGT/IE 644 – Quality Systems and Process Improvement
- EMGT/IE 626 – Discrete Event Simulation

Lean Six Sigma Green Belt
Course Requirements:

- EMGT 607 – Quality Engineering
- EMGT 615 – Statistical Quality Control
- EMGT/IE 643 – Design of Experiments
- EMGT/IE 644 – Quality Systems and Process Improvement

Engineering Data Analytics
Course Requirements:

- IE 601 – Advanced Engineering Statistics
- EMGT/IE 691 – Data Mining Methods
- EMGT/IE 635 – Operations Research I

and
- BIS 635 – Enterprise Analytics with SAP
or
- EMGT/IE 691 – Machine Learning
or
- EE 545 – Neural Networks

Project Management
Course Requirements:

- EMGT 605 – Engineering Management
- EMGT 609 – Advance Engineering Economics
- EMGT/IE 619 – Supply Chain Management
- EMGT 648 – Project Management

Industrial Safety and Public Health
Course Requirements:

- IE 604 – Human Factors
- EMGT 602 – Engineering Risk and Emergency Management
- EMGT/IE 69x – Safety Engineering
- EMGT/IE 69x – Industrial Safety and Public Health Analysis Methods

Operations Management
Course Requirements:

- EMGT/IE 631 – Production and Inventory Modeling
- EMGT/IE 619 – Engineering Supply Chain
- BIS 633 – Enterprise Analytics Applications with AP

and
- EMGT/IE 622 – Lean Systems
or
- EMGT 607 – Quality Engineering

Operations Research
Course Requirements:

- EMGT/IE 620 – Multi-criteria Decision Analysis
- EMGT/IE 626 – Discrete Systems Simulation
- EMGT/IE 635 – Operations Research I
- EMGT/IE 643 – Design of Experiments

For course descriptions, visit: wne.edu/catalogue