

Operations Research

E - Even; O - Odd; Sp - Spring; Su - Summer; Fa - Fall; DL - Distance Learning

| Core | | | | |
|---|------------------------------|-----|----|---|
| [must include all 4 core courses in POS, receive B or better in at least 3] | | | | |
| Number | Course Name | Sem | DL | Prerequisites |
| 5133 | Stochastic Processes | Sp | N | MATH 2233, MATH 3013, STAT 5123 or IEM 5003 |
| 5013 | Introduction to Optimization | Fa | Y | IEM 4013 |
| 5063 | Network Optimization | Sp | Y | IEM 5013 |
| 5703 | Discrete Systems Simulation | Sp | Y | IEM 5003 |

| Supporting | | | | |
|--|--|------|----|---|
| Non-Thesis option must include at least 4 supporting courses in POS; Thesis option must include at least 2 | | | | |
| Number | Course Name | Sem | DL | Prerequisites |
| 5003 | Probability and Statistics for Engineers | Fa | Y | STAT 4033 or IEM 3103 |
| 5203 | Facility Location, Warehousing & Freight Transp. | Sp | N | IEM 4013, IEM 4203, IEM 5003 |
| 5503 | Financial & Advanced Capital Investment Analysis | Fa | Y | IEM 3503, IEM 4013, IEM 5003 |
| 5613 | Integrated Manufacturing Control Systems | Fa | Y | IEM 4613 |
| 5633 | Advanced Production and Inventory Control | Fa | N | IEM 4013, IEM 5763 |
| 5723 | Data, Process, and Object Modeling | Sp | N | Graduate standing or consent of instructor |
| 5763 | Supply Chain Strategy | Sp | Y | IEM 4613 |
| 6033 | Linear Optimization | Fa | N | 5013 or consent of instructor |
| 6123 | Queueing Systems: Theory & Manufacturing Appl. | O-Fa | N | IEM 5003, IEM 5133 or consent of instructor |