



Master of Science Sample Curriculum

Research Area: Operations Research (Supply Chain)

Degree Pursing: MS IE (non-thesis)

Courses (Minimum Enrollment 12 hours/8 hours if 25% assistantship or greater)

| 1 st Semester (fall) | | 2 nd Semester (spring) | |
|--|-----------|--|-----------|
| Course | Credits | Course | Credits |
| IE 410: Stochastic Processes & Applic | 4 | IE 413: Simulation | 4 |
| IE 411: Optimization of Large Systems | 4 | IE 598 LM: Optimization Methods for Large-Scale, Network-Based Systems | 4 |
| IE 412: OR Models for Mfg Systems -or- | 4 | IE 431: Design for Six Sigma -or- IE 511: Integer Programming | 3 |
| IE 598 LX: Advance Produc Plan & Control | 4 | | 4 |
| | | Elective (optional) | 1 |
| Total | 12 | Total | 12 |

| 3 rd Semester (fall) | |
|--|--------------|
| Course | Credits |
| IE 598 LX: Advance Produc Plan & Control -or- | 4 |
| IE 529: Stats of Big Data & Clustering | 4 |
| -or- | |
| IE 498 JG: Computing for ISE -or- | 3 |
| IE 400: Design & Anlys of Experiments | 4 |
| IE 598 XC: Pricing and Revenue Management -or- | 4 |
| IE 598 SDP: Stochastic Dynamic Programming | 4 |
| IE 597: Independent Study | 4 |
| Total | 11-12 |

Disclaimer: This sample curricula should be used as a guide for students. See degree requirements for your specific degree and adjust as necessary to meet your program requirements and educational goals.