# Department of Industrial Engineering and Operations Research

## Industrial Engineering Master of Science Program Sheet

**Name:**

**Advisor:**

### Required Core Courses

<table>
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<th>Course</th>
<th>Registered</th>
<th>Complete</th>
<th>Substitution</th>
<th>Approval</th>
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<td>IEOR E4000</td>
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<td>SIEO W4150</td>
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*Alternatively, students can take SIEO W4105 and STAT W4107 instead of SIEO W4150*

### Elective Courses

(Two must have an IEOR Designation)

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### Pre-Approved Elective List

- IEOR E4001 Design and Management of Production and Service Systems
- IEOR E4003 Industrial Economics
- IEOR E4201 Engineering of Management, I
- IEOR E4202 Engineering of Management, II
- IEOR E4207 Human Factors: Performance
- IEOR E4208 Seminar in Human Factors Design
- IEOR E4210 Supply Chain Management
- IEOR E4307 Industrial Forecasting
- IEOR E4310 The Manufacturing Enterprise
- IEOR E4405 Production Scheduling
- IEOR E4406 Facilities Location, Routing, and Network Design
- IEOR E4409 Industrial Information Systems
- IEOR E4416 Capacity Planning: Models, Algorithms and Applications
- IEOR E4418 Logistics and Transportation Management
- IEOR E4705 Studies in Operations Research
- IEOR E6412 Quality Control and Management
- MSIE E6410 Logistics and Distribution Management
- CIEN E4010 Transportation Engineering
- CIEN E4163 Environmental Engineering: Wastewater
- CIEN E4250 Geoenvironmental Engineering
- CIEN E4252 Environmental Engineering
- CIEN E4182 Noise Control: Environmental Aspects
- ECON W4261 Introduction to Accounting and Finance
- EEME E4601 Digital Control Systems
- MECE E4058 Mechatronics and Embedded Microcomputer Control
- MECE E4404 Lubrication Theory and Design
- MECE E4501 Geometrical Modeling
- MECE E4502 Computational Geometry for CAD/CAM
- MECE E4602 Introduction to Robotics
- MECE E4603 Analysis, Modeling, and Control of Manufacturing Systems
- MECE E4604 Product Design for Manufacturing
- MECE E4605 Flexible Manufacturing Systems
- MECE E4608 Manufacturing Processes
- MECE E6601 Introduction to Control Theory

*If there are other courses you are interested in taking, please contact your advisor for approval.

Last updated 3/18/2005