# Master of Science in Operations and Supply Chain Analytics

Curriculum Plan (11 courses, 33 credits)

**STUDENT NAME** | **STUDENT ID** | **ADVISOR**
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<table>
<thead>
<tr>
<th><strong>Fall 2024</strong></th>
<th><strong>Spring 2025</strong></th>
<th><strong>Fall 2025 (TBD)</strong></th>
<th><strong>Spring 2026 (TBD)</strong></th>
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<tr>
<td><strong>REQUIRED COURSES</strong></td>
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<tr>
<td>OIE 501 Operations Management</td>
<td>On-Campus</td>
<td></td>
<td>Online</td>
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<td>OIE 544 Supply Chain Analysis and Design</td>
<td>Online</td>
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<tr>
<td>OIE 552 Modeling and Optimizing Processes</td>
<td>On-Campus (Fall B term) and Online</td>
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**MSOSCA students must complete two, three-course specialties, selected from the following three options.**

### SPECIALTY IN SUPPLY CHAIN MANAGEMENT

Select one of the following:

- OIE 553 Global Purchasing and Logistics
- OIE 549 Sustainable Supply Chain and Operations Management

Select two of the following:

- MKT 561 Consumer Behavior and Analytics
- OBC 533 Negotiations
- OIE 553 Global Purchasing and Logistics
- OIE 548 Performance Analytics
- OIE 549 Sustainable Supply Chain and Operations Management

### SPECIALTY IN OPERATIONS ANALYTICS

Select three of the following:

- OIE 542 Risk Management and Decision Analysis
- OIE 548 Performance Analytics
- MIS 587 Business Applications in Machine Learning (OR)
- MKT 562 Marketing Research (OR)
- MKT 568 Marketing Analytics

### SPECIALTY IN OPERATIONAL EXCELLENCE

Select one of the following:

- OIE 554 Global Operations Strategy
- OIE 558 Designing and Managing Lean and Six-Sigma Processes

Select two of the following:

- FIN 500 Financial Management
- MIS 576 Project Management
- OBC 537 Leading Change
- OIE 554 Global Operations Strategy
- OIE 558 Designing and Managing Lean and Six-Sigma Processes

**REQUIRED CAPSTONE COURSES**

- OBC 505 Teaming and Organizing for Innovation (any semester)
- OIE 597 Operations and Supply Chain Consulting Project (last semester)

Updated: February 14, 2024
NOTES:

• ONLINE COURSES: All online courses offered are asynchronously. Refer to course offerings detail http://courselists.wpi.edu
• ON CAMPUS COURSES: Meet weekly; Refer to course offerings in the WPI Business School course schedule.
• HYBRID COURSES: On campus meeting times vary by course; Refer to course offerings in the WPI Business School course schedule.
• DECLARATION OF SPECIALTY: All incoming full-time students are required to declare a specialty, latest by add/drop of first semester. Second specialty must be declared, latest by add/drop of third semester.
• TRANSFER CREDITS: Students awarded transfer credit must secure approval for list the approved courses and credit hours.
• INTERNATIONAL STUDENTS: On campus, international students are encouraged to complete up to three additional credits of Internship to ensure their readiness for employment in the U.S.
• APPROVAL: Students must have individual curriculum plan reviewed and approved by the WPI Business School Programs Office. For information contact

   Sandy Wellinghoff          Dr. Sandhya Balasubramanian
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