# MASTER OF SCIENCE IN OPERATIONS AND SUPPLY CHAIN ANALYTICS

Curriculum Plan (11 courses, 33 credits)

<table>
<thead>
<tr>
<th>STUDENT NAME</th>
<th>STUDENT ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADVISOR</td>
<td>START TERM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Fall 2024</th>
<th>Spring 2025</th>
<th>Fall 2025 (TBD)</th>
<th>Spring 2026 (TBD)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REQUIRED COURSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OIE 501 Operations Management</td>
<td>On-Campus</td>
<td>Online</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OIE 544 Supply Chain Analysis and Design</td>
<td>Online</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OIE 552 Modeling and Optimizing Processes</td>
<td>On-Campus (Fall B term) and Online</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 | On-Campus (Spring C term)
- OIE 549 Sustainable Supply Chain and Operations Management | Online

Select two of the following:

- MKT 561 Consumer Behavior and Analytics | Online
- OBC 533 Negotiations | On-Campus
- OIE 553 Global Purchasing and Logistics | On-Campus (Spring C term)
- OIE 548 Performance Analytics | Online
- OIE 549 Sustainable Supply Chain and Operations Management | Online

## SPECIALTY IN OPERATIONS ANALYTICS
Select three of the following:

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

## SPECIALTY IN OPERATIONAL EXCELLENCE
Required:

- OIE 558 Designing and Managing Lean and Six-Sigma Processes | On-Campus (Fall A term) and Online | On-Campus | Online

Select two of the following:

- FIN 500 Financial Management | Online | On-Campus
- MIS 576 Project Management | Online | On-Campus
- OBC 537 Leading Change | On-Campus | Online

## REQUIRED CAPSTONE COURSES

- OBC 505 Teaming and Organizing for Innovation (recommended 1st, 2nd, or 3rd semester) | Online | On-Campus
- OIE 597 Operations and Supply Chain Consulting Project (last semester) | Online

**NOTES:**
- ONLINE COURSES: All online courses offered are asynchronously. Refer to course offerings detail [http://courselisting.wpi.edu](http://courselisting.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.

Updated: March 19, 2024
• 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 zero 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: WBSGradAdvising@wpi.edu