WPI Business School  
Curriculum Plan for Master of Science in  
OPERATIONS AND SUPPLY CHAIN ANALYTICS  
(11 courses, 33 credits)  
All courses are 3 credits each

NAME  

DATE ADMITTED  
Suggested sequence for students entering Spring 2022

ADVISOR  

Proposed Course of Study:  

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<tr>
<th>COURSE NUMBER &amp; TITLE</th>
<th>SEMESTER</th>
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REQUIRED COURSES (3)

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OIE 501 Operations Management  
OIE 544 Supply Chain Analysis and Design  
OIE 552 Modeling and Optimizing Processes

MS OSCA students must complete two, three-course specialties, selected from the following:

SPECIALTY IN SUPPLY CHAIN MANAGEMENT

Choose one course from

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

Choose two course from

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MKT 561 Consumer Behavior and Analytics  
OBC 533 Negotiations  
OIE 548 Performance Analytics  
OIE 549 Sustainable Supply Chain and Operations Management

OIE 553 Global Purchasing and Logistics  
Spring 22 / Wed. 9 AM – 12:50 PM  
C-term (1/19/22 – 3/2/22)

SPECIALTY IN ADVANCED OPERATIONS ANALYTICS

Choose one course from

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MIS 587 Business Applications in Machine Learning  
MKT 562 Marketing Research  
MKT 568 Data Mining Business Applications  
Spring 22 / Tues. 6 – 9 PM

Choose two courses from

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OIE 542 Risk Management and Decision Analysis  
OIE 548 Performance Analytics  
OIE 559 Advanced Prescriptive Analytics: From Data to Impact

SPECIALTY IN OPERATIONAL EXCELLENCE

Choose one course from

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OIE 554 Global Operations Strategy  
OIE 558 Designing and Managing Lean Six Sigma Processes  
Spring 22 / Online

Over
Choose two courses from

FIN 500 Financial Management  Spring 22 / Mon. 6 – 9 PM
MIS 576 Project Management  Spring 22 / Online
OBC 537 Leading Change
OIE 554 Global Operations Strategy
OIE 558 Designing and Managing Lean Six Sigma Processes

CUSTOM SPECIALTY (requires approval; see catalog description)

RESEARCH SPECIALTY (requires approval; see catalog description)

MS OSCA students must complete a two-course capstone project experience as follows:

OBC 505 Teaming and Organizing for Innovation  Spring 22 / Online
OIE 597 Operations and Supply Chain Consulting Project

Additional recommendation for on campus, international MS OSCA 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.

If you have been awarded transfer credit, list the approved courses and credit hours allowed below.

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<tr>
<th>COURSE NUMBER &amp; TITLE</th>
<th>CREDIT HOURS</th>
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(Do not complete below this line)

(To be completed by Advisor)

I have reviewed the Curriculum Plan above and agree that it comprises an acceptable program of study for the degree of Master of Science in Operations and Supply Chain Management

ADVISOR’S SIGNATURE:  

DATE:  

Important Note to Advisors: Once approved, please return the Curriculum Plan to the Executive Director of Business Programs.