

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 Fall 2022

ADVISOR _____

Proposed Course of Study: COURSE NUMBER & TITLE SEMESTER

Courses where day of the week is noted are on campus. Where only semester is noted, courses are online.

REQUIRED COURSES (3)

OIE 501 Operations Management Fall 22 – Thurs. 6 – 9 PM / Spring

OIE 544 Supply Chain Analysis and Design Fall 22

OIE 552 Modeling and Optimizing Processes Fall 22

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

SPECIALTY IN SUPPLY CHAIN MANAGEMENT

Choose one course from

OIE 549 Sustainable Supply Chain and Operations Management Spring

OIE 553 Global Purchasing and Logistics Spring 23 / Wed. 9:00 am – 12:50 pm
 January 10, 2023 – March 3, 2023 (7 weeks)

Choose two course from

MKT 561 Consumer Behavior and Analytics Fall

OBC 533 Negotiations Spring - Wed. 6 – 9 PM

OIE 548 Performance Analytics Spring

OIE 549 Sustainable Supply Chain and Operations Management Spring

OIE 553 Global Purchasing and Logistics Spring

SPECIALTY IN ADVANCED OPERATIONS ANALYTICS

Choose one course from

MIS 587 Business Applications in Machine Learning Fall

MKT 562 Marketing Research Fall

MKT 568 Data Mining Business Applications Spring

Choose two courses from

OIE 542 Risk Management and Decision Analysis Spring

OIE 548 Performance Analytics Spring

OIE 559 Advanced Prescriptive Analytics: From Data to Impact Fall 22 / Mon/Thurs 2:00 – 3:50 pm
 8/24/2022 – 10/13/2022 (7 weeks)

SPECIALTY IN OPERATIONAL EXCELLENCE

Choose one course from

OIE 554 Global Operations Strategy Fall

OIE 558 Designing and Managing Lean Six Sigma Processes Spring

Choose two courses from

FIN 500 Financial Management Fall / Spring – Thurs. 6 – 9 PM

MIS 576 Project Management Fall & Spring

OBC 537 Leading Change Fall

OIE 554 Global Operations Strategy Fall

OIE 558 Designing and Managing Lean Six Sigma Processes Spring

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 Fall / Spring – Tues. 6 – 9 PM

OIE 597 Operations and Supply Chain Consulting Project Spring

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.

COURSE NUMBER & TITLE	CREDIT HOURS	TRANSFER

(Do not complete below this line)

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(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.