

WPI Foisie 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 _____

ADVISOR _____

Proposed Course of Study: COURSE NUMBER & TITLE SEMESTER

REQUIRED COURSES (3)

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

OIE 549 Sustainable Supply Chain and Operations Management

OIE 553 Global Purchasing and Logistics

Choose two course from

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

SPECIALTY IN ADVANCED OPERATIONS ANALYTICS

Choose one course from

MIS 587 Business Applications in Machine Learning

MKT 562 Marketing Research

MKT 568 Data Mining Business Applications

Choose two courses from

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

OIE 554 Global Operations Strategy

OIE 558 Designing and Managing Lean Six Sigma Processes

Choose two courses from
FIN 500 Financial Management

MIS 576 Project Management

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

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.

COURSE NUMBER & TITLE	CREDIT HOURS	TRANSFER
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(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.