

WPI / Business School
Curriculum Plan for Master of Science in
BUSINESS 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 CORE COURSES (3)

MIS 584 Business Intelligence	Fall 22 - Mon. 6 - 9 PM or online
OIE 552 Modeling and Optimizing Processes	Fall 22
MIS 502 Data Management for Analytics	Fall 22 online / Spring 23 - Mon. 6 - 9 PM

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

SPECIALTY IN ADVANCED BUSINESS ANALYTICS METHODS

MIS 587 Business Applications in Machine Learning	Fall
OIE 559 Advanced Prescriptive Analytics: From Data to Impact	Fall 22 - Mon/Thurs. 2 :00 - 3:50 pm <small>8/24/2022 - 10/13/2022 (7 weeks)</small>
MKT 562 Marketing Research	Fall

SPECIALTY IN MARKETING ANALYTICS

MKT 500 Marketing Strategy <i>or (recommended for students with no marketing)</i>	Fall - Tues. 6 - 9 PM / Spring - online
MKT 561 Consumer Behavior and Analytics	Spring
MKT 565 Digital Marketing	Spring
MKT 568 Data Mining Business Applications	Spring

SPECIALTY IN OPERATIONS ANALYTICS

Select 3 courses from the list below:

OIE 501 Operations Management <i>(recommended for students with no operations background)</i>	Fall - Thurs. 6 - 9 PM / Spring - online
OIE 542 Risk Management and Decision Analysis	Spring
OIE 544 Supply Chain Analysis and Design	Fall
OIE 548 Performance Analytics	Spring
OIE 558 Designing and Managing Lean Six Sigma Processes	Spring

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

OBC 505 Teaming and Organizing for Innovation	Fall / Spring - Tues. 6 - 9 PM
BUS 596 Master of Science Capstone Project	Spring

Additional recommendation for on campus, international MSBA 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 Business Analytics.

ADVISOR'S SIGNATURE: _____

DATE: _____

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