

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 2021 _____

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 Spring 22 / Thurs. 6 - 9 PM

OIE 552 Modeling and Optimizing Processes Fall

MIS 502 Data Management for Analytics Spring 22 / 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 21 / Mon/Thurs. 2 :00 - 3:50 pm
8/25/2021 - 10/13/2021 (7 weeks)

MKT 562 Marketing Research Fall

SPECIALTY IN MARKETING ANALYTICS

MKT 500 Marketing Strategy *(recommended for students with no marketing background)* Fall 21 / Tues. 6 - 9 PM
or

MKT 561 Consumer Behavior and Analytics Spring

MKT 565 Digital Marketing Spring

MKT 568 Data Mining Business Applications Spring 22 / Tues 6 - 9 PM

SPECIALTY IN OPERATIONS ANALYTICS

Select 3 courses from the list below:

OIE 501 Operations Management Fall 21 / Thurs. 6 - 9 PM
(recommended for students with no operations background)

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 21 / Monday 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.