

WPI Foisie Business School
Curriculum Plan for Master of Science in
BUSINESS ANALYTICS
(11 courses, 33 credits)

NAME _____

DATE ADMITTED Suggested sequence for students entering Fall 2020

ADVISOR _____

Proposed Course of Study: COURSE NUMBER & TITLE SEMESTER

REQUIRED CORE COURSES (3)

MIS 584 Business Intelligence Fall 20 / Mon. 6 – 9 PM

OIE 552 Modeling and Optimizing Processes Fall 20 / six Sat. 9:00 AM – 3:00 PM
8/29/20 – 10/10/20

MIS 502 Data Management for Analytics Fall 20 / Tues. 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

OIE 559 Optimization Methods for Business Analytics

MKT 562 Marketing Research

SPECIALTY IN MARKETING ANALYTICS

MKT 500 Marketing Management (*recommended for students with no marketing background*)

or

MKT 561 Consumer Behavior

MKT 565 Digital and Social Media Marketing and Analytics

MKT 568 Data Mining Business Applications

SPECIALTY IN OPERATIONS ANALYTICS

Select 3 courses from the list below:

OIE 501 Designing Operations for Competitive Advantage
(*recommended for students with no operations background*)

OIE 542 Risk Management and Decision Analysis

OIE 544 Supply Chain Analysis and Design

OIE 558 Designing and Managing Lean and Six-Sigma Processes

SPECIALTY IN FINANCIAL ANALYTICS

ACC 500 Accounting and Finance Fundamentals (1 cr.)

and

ACC 502 Financial Intelligence and Strategic Decision-Making (2 cr.)

FIN 500 Financial Information and Management

FIN 522 Financial Institutions, Markets, and Technology

over

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

OBC 505 Teaming and Organizing for Innovation

BUS 596 Master of Science Capstone Project

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 or course waivers, list the approved courses and credit hours allowed below.

COURSE NUMBER & TITLE	CREDIT HOURS	TRANSFER OR WAIVER
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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.