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
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.

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<th>COURSE NUMBER &amp; TITLE</th>
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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.

Revised 1/2/2020