



## Master of Science in Business Analytics: Fall 2018 and Spring 2019

### 2 – Required Professional Development & Career Workshops:

MGMT 7770 Prof. Development Workshop 1/Career Workshops (Fall) Wed. 9am, 12pm & 3pm sections

MGMT 7780 Prof. Development Workshop 2/Career Workshops (Spring) Wed. 9am, 12pm & 3pm sections

### 3 – Required Business Core:

MGMT 6100 Statistics for Managerial Decision Making (Fall) Tues. 6-8:50pm or Thurs. 6-8:50pm

\* Can only be waived through the waiver test. Has to be replaced with an advanced statistics or analytics class approved by the program director.

MGMT 6190 Intro to Accounting and Financial Management (Fall) Mon. 6-8:50pm or Thurs. 6-8:50pm

\* Can be waived and replaced with an advanced finance class such as MGMT6020, MGMT 6510, MGMT 6520, MGMT7760, or an advanced management class by approval. Waiver requests should be made to Dr. Sonja Francis.

MGMT 6140 Information Systems for Management (Spring) Thurs. 2-4:50pm or Thurs. 6-8:50pm

\* Cannot be waived

### 5 – Required Analytics Core:

MGMT 6560 Technology Fundamentals for Analytics (Fall) Tues. & Fri. 10-11:30am  
(Spring) Mon. & Thurs. 12-1:50pm

MGMT 6570 Advanced Data Resource Management (Fall) Tues. 12-2:50pm  
(Spring) Mon. & Thurs. 2-3:50pm

MGMT 6790 Business Analytics Capstone (Spring) Tues. 10am -12:50pm

One of the two following classes (you can still take the other one as an elective):

MGMT 6460 Advanced Quantitative Methods for Business (Fall) Fri. 4-6:50pm

ECON 6560 Introduction to Econometrics (Fall) Mon. & Thurs. 2-3:50pm or Tues. & Fri. 10-11:50am

(Spring) Tues. & Fri. 10-11:50am

And one of the three following classes (you can still take the other two as electives):

MGMT 6160 Applied Analytics and Predictive Modeling (Spring) Wed. 6-8:50pm

ITWS 6600 Data Analytics (Fall) Tues. & Fri. 10-11:50am

(Spring) Mon. & Thurs. 10-11:50am or 2-3:50pm  
CSCI 6390 Data Mining - 4 credits (Fall) Tues. & Fri. 10-11:50am

\*Unless already taken as one of the three options above

## **2 – Electives:**

Choose any two of the following courses as long as they were not taken as part of the core courses requirements.

### **Advanced Analytics and Data Classes:**

CSCI 6100 Machine Learning from Data -4 credits (Fall) Mon. & Thurs. 4-5:50pm  
CSCI 6250 Frontiers of Network Science -4 credits (Fall) Mon. & Thurs. 12-1:50pm  
CSCI 6390 Data Mining - 4 credits (Fall) Tues. & Fri. 10-11:50am  
ITWS 6961 Data Analytics Research Lab -4 credits (Fall) Wed. 9-11:50am & Thurs. 9-9:50am  
CSCI 6130 Natural Language Processing -4 credits (Spring) Mon. & Thurs. 10:00 – 11:50am  
ITWS 6600 Data Analytics (Fall) Tues. & Fri. 10-11:50am  
(Spring) Mon. & Thurs. 10-11:50am or 2-3:50pm  
MGMT 6160 Applied Analytics and Predictive Modeling (Spring) Wed. 6-8:50pm  
COMM 6880 Interactive Data Visualization (Summer Session 2) Mon., Tues., & Thurs. 4-6:50pm

### **Policy and Management Classes:**

ITWS 6962 Big Data Policies – (Fall) Tues. 9-11:50am  
MGMT 7030 Strategy, Technology and Competition – (Fall) Thurs. 3-5:50pm & (Summer Session 3) TBA  
ITWS 6960 Data and Society (Spring) Wed. 9-10:50am and Fri. 9-11:50am

### **Finance Classes:**

MGMT 6020 Financial Management I (Fall) Thurs. 6-8:50pm (Spring) Tues. 9-11:50am  
MGMT 6510 Financial Computation (Fall) Thurs. 3-5:50pm or Fri. 9-11:50am  
MGMT 6520 Financial Modeling (Fall) Tues. 6-8:50pm  
MGMT 7760 Risk Management (Fall) Tues. 3-5:50pm  
ECON 6560 Introduction to Econometrics (Fall) Mon. & Thurs. 2-3:50pm or Tues. & Fri. 10-11:50am  
(Spring) Tues. & Fri. 10-11:50am  
MGMT 6400 Financial Econometric Modeling (Spring) Tues. 6-8:50pm

### **Marketing and Operations Classes:**

MGMT 6720 Internet Marketing (Spring) Mon. 6-8:50pm  
MGMT 6350 Supply Chain Analytics (Spring) Tues. 6-8:50pm  
MGMT 6965 Marketing Analytics (Spring) Mon. 10am – 12:50pm