



Master of Science in Business Analytics (BSAN) Fall 2020, Spring 2021

2 — Required Professional Development and Career Workshops:

MGMT 7770	Prof. Development Workshop 1	Fall	Wednesday 12-1:50 p.m. or 3-4:50 p.m.
MGMT 7780	Prof. Development Workshop 2	Spring	W 12:20-2:10 p.m. or 2:30-4:20 p.m.

3 — Required Business Core:

MGMT 6100	Foundations of Data Science*	F S	T/F 8-9:20 a.m. M/Th 8-9:20 a.m.
MGMT 6140	Managing Digitization and Transformation*	S	T/F 8-9:20 a.m. or 12:20-1:40 p.m.
MGMT 6190	Intro to Accounting and Financial Management**	F	M/Th 4 -5:20 p.m.

* Cannot be waived

** Can be waived by approval of adviser and replaced with an elective course listed below, not necessarily one from the finance area.

5 — Required Analytics Core:

MGMT 6460	Modeling and Optimization	F	M/Th 7:30-8:50 p.m.
MGMT 6560	Introduction to Machine Learning Applications	F S	M/Th 8-9:20 a.m. or 4-5:20 p.m. M/Th 12:30-2:10 p.m.
MGMT 6570	Advanced Data Resource Management	F S	M/Th 2-3:30 p.m. or 12-1:30 p.m. T/F 8-9:50 a.m.
MGMT 6160	Applied Analytics and Predictive Modeling	S	M/Th 6:55-8:15 p.m.
MGMT 6790	Business Analytics Capstone	S	T/F 4:45-6:05 p.m.

2 — Electives

Choose any two of the following courses. Non-MGMT courses (e.g. CSCI, ITWS) may require using this [authorization form](#) to register:

Advanced Analytics and Data Classes:

CSCI 6100	Machine Learning from Data (4 cr)	F	M/Th 4-5:50 p.m.
CSCI 6250	Frontiers of Network Science (4 cr)	F	M/Th 12-1:30 p.m.
CSCI 6390	Data Mining (4 cr)	F	T/F 10-11:50 a.m.
MGMT 6962	Data Analytics	F	T/F 10-11:30 a.m.
ITWS 6600	Data Analytics	S	M/Th 10:10 a.m.-12 p.m. or 2:30-4:20 p.m.
COMM 6880	Interactive Data Visualization	Su	

Policy and Management Classes:

ITWS 6440	Big Data Policy	F	M 11-1:50 p.m.
MGMT 7030	Strategy, Technology and Competition	F	M/Th 2-3:20 p.m.
ITWS 6960	Data and Society	S	Not offered
MGMT 7030	Strategy, Technology and Competition	S	T/F 4:45-6:05 p.m.
MGMT 7030	Strategy, Technology and Competition	Su	

Finance Classes:

MGMT 6020	Financial Management I	F S	M/Th 8-9:20 a.m. M/Th 10:10-11:30 a.m.
MGMT 6520	Financial Modeling & Optimization	F	M/Th 6-7:20 p.m.
ECON 6560	Introduction to Econometrics	F S	M/Th 2-3:50 p.m. or T/F 10-11:50 a.m. M/Th 2:30-4:20 p.m. or T/F 12:20-2:10 p.m.
MGMT 6370	Options Futures & Derivatives Markets	F	M/Th 7:30-8:50 p.m.
MGMT 6410	Quantitative Asset Management	S	M/Th 6:55-8:15 p.m.
MGMT 6400	Financial Econometric Modeling	F	M/Th 10:10-11:30 a.m.
MGMT 6240	Financial Trading and Investing	F	M/Th 12:30-2:50 p.m.
MGMT 6510	Financial Computation & Simulation	S	M/Th 2:30-3:50 p.m.
MGMT 6964	Fixed Income Securities	S	T/F 2:30-3:50 p.m.
MGMT 6962	Adv. Artificial Intelligence and Machine Learning for Finance	S	M/Th 12:20-1:40 p.m.
MGMT 7760	Risk Analytics & Management	S	T/F 12:20-1:40 p.m.

Marketing and Operations Classes:

MGMT 6720	Internet Marketing	S	T/F 2:30-4:20 p.m.
MGMT 6350	Supply Chain Analytics	S	T 6:55-9:45 P.M.
MGMT 6965	Marketing Analytics	S	M/Th 4:45-6:05 p.m.