



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

2 — Required Professional Development & Career Workshops:

MGMT 7770 Prof. Development Workshop 1 (Fall) Wednesday 12 p.m. and 3 p.m.

MGMT 7780 Prof. Development Workshop 2 (Spring)

3 — Required Business Core:

MGMT 6100 Foundations of Data Science (Fall) Tuesday 8-9:20 a.m. and Friday 8-9:20 a.m. (Spring)

* Cannot be waived

MGMT 6140 Managing Digitization and Transformation (Spring)

* Cannot be waived

MGMT 6190 Intro to Accounting and Financial Management (Fall) Monday 4 -5:20 p.m. and Thursday 4 -5:20 p.m.

* 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 (Fall) Monday 7:30-8:50 p.m. and Thursday 7:30-8:50 p.m.

MGMT 6560 Introduction to Machine Learning Applications (Fall) Monday 8-9:20 a.m. and Thursday 8-9:20 a.m. or Monday 4-5:20 p.m. and Thursday 4-5:20 p.m.

MGMT 6570 Advanced Data Resource Management (Fall) Monday 2-3:30 p.m. and Thursday 2-3:30 p.m. or Tuesday 12-1:30 p.m. and Friday 12-1:30 p.m. (Spring)

MGMT 6160 Applied Analytics and Predictive Modeling (Spring)

MGMT 6790 Business Analytics Capstone (Spring)

2 — Electives

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

<https://www.rpi.edu/dept/srfs/AuthorizationFrm.pdf>

Advanced Analytics and Data Classes:

Fall

CSCI 6100 Machine Learning from Data (4 credits): Monday 4-5:50 p.m. and Thursday 4-5:50 p.m.

CSCI 6250 Frontiers of Network Science (4 credits): Monday 12-1:30 p.m. and Thursday 12-1:50 p.m.

CSCI 6390 Data Mining (4 credits): Tuesday 10-11:50 a.m. and Friday 10-11:50 a.m.

MGMT 6962 Data Analytics: Tuesday 10-11:30 a.m. and Friday 10-11:30 a.m.

Spring

ITWS 6600 Data Analytics

Summer

COMM 6880 Interactive Data Visualization

Policy and Management Classes:

Fall

ITWS 6440 Big Data Policy: Monday 11a.m. - 1:50 p.m.

MGMT 7030 Strategy, Technology and Competition: Monday 2-3:20 p.m. and Thursday 2-3:20 p.m.

Spring

ITWS 6960 Data and Society: TBD

MGMT 7030 Strategy, Technology and Competition

Summer

MGMT 7030 Strategy, Technology and Competition

Finance Classes:

Fall

MGMT 6020 Financial Management I: Monday 8-9:20 a.m. and Thursday 8-9:20 a.m.

MGMT 6520 Financial Modeling & Optimization: Monday 6-7:20 p.m. and Thursday 6-7:20 p.m.

ECON 6560 Introduction to Econometrics: Monday 2-3:50 p.m. and Thursday 2-3:50 p.m. or Tuesday 10-11:50 a.m. and Friday 10-11:50 a.m.

MGMT 6370 Options Futures & Derivatives Markets: Monday 7:30-8:50 p.m. and Thursday 7:30-8:50 p.m.

Spring

MGMT 6020 Financial Management I

MGMT 6410 Quantitative Asset Management

MGMT 6400 Financial Econometric Modeling

MGMT 6240 Financial Trading and Investing

MGMT 6400 Financial Econometrics Modeling

MGMT 6510 Financial Simulation & Computation

MGMT 6964 Fixed Income Securities

MGMT 6962 Adv. Artificial Intelligence and Machine Learning for Finance

MGMT 7760 Risk Analytics & Management

Marketing and Operations Classes:

Spring

MGMT 6720 Internet Marketing

MGMT 6350 Supply Chain Analytics

MGMT 6965 Marketing Analytics