BS in Business Analytics

Freshman Year

Semester 1

COP 2073 Foundation of Data Analytics (3)
ENC 1101 English Composition 1 (3,W)
MAC 2311 Analytic Geometry and Calculus 1 (4)
Natural Science Elective (3)
Natural Science Lab (1)

IB or C in MAC 1147 or higher, AP for MAC 2311

Semester 2

ECO 2013 Principles of Macroeconomics (3)
STA 2023 Statistics 1 (3)
General Education Elective Recommended: AMH 2020 **or** POS 2041 **or** AMH 2010 (3)
General Education Elective (4)
ENC 2210 Technical Writing (3,W)

Sophomore Year

Semester 1

ISC 2310 Python for Data Analytics (3)
ACG 2020 Accounting for Managers (3)
STA 3036 Probability and Statistics for Business, Data Science, and Economics (3)
Select from Arts and Humanities Req. List (3)
General Elective (4)

Semester 2

BUL 2241 Law, Public Policy, Negotiation and Business (3)
ENT 2112 Entrepreneurial Opportunity Analysis (3)
FIN 2000 Introduction to Business Finance (3)
ECO 2023 Principles of Microeconomics (3,W)
IDS 2144 Legal, Ethical, and Management Issues in Tech (3)

Junior Year

Semester 1

EGS 3625 Eng. & Tech. Project Mgmt (3)
ECP 4031 Benefit Cost Analysis (3)
MAN 3504 Intro to Operations and Supply Chain Mgmt. (3)
Business Analytics Concentration (3)
General Elective (3)

IDS 4941 Professional Exp. Internship (0)

Semester 2

GEB 3373 Intl. & Comparative Dim. of Business (3)
COP 3710 Database 1 (3)
EGN 3448 Operations Research (3)
Business Analytics Concentration (3)
General Elective (3)

Senior Year

Semester 1

IDC 4942 Data Analytics Capstone 1. (3)
FIN 4501 Invest, Fin, Modeling & Analytics (3)
Business Analytics Concentration (3)
General Elective (3)
General Elective (3)

Semester 2

IDC 4943 Data Analytics Capstone 2. (3)
MAN 4633 Strategic Management (3)
MAR 4705 Marketing Analytics (3)
QMB 4690 Process Design Using Lean Sigma (2)
Business Analytics Concentration (3)

Legend:

Course Prefix & Number	Credits	Course Name
General Education Elective	Credits
General or Concentration Elective	Credits
---------- C grade or better is required

Program/Concentration Electives

Advanced Topics

Choose 12 credits from Business Analytics Concentrations or Business Analytics elective courses.

Logistics and Supply Chain Management

- MAN 3610 - Global Procurement & Logistics Management Credits: 3
- SCM 4420 - Supply Chain Analytics Credits: 3

Select two courses from the following:

- MAN 4522 - Planning and Control Systems for Supply Chain Management Credits: 3
- MAN 4594 - Logistics and Sustainability Credits: 3
- MAN 3613 - Supply Chain Risk Management Credits: 3
- ESI 4011 - Data Analytics for Smart City & Transportation Credits: 3

Quantitative Economic & Econometrics

- ECO 4400 - Game Theory and Strategic Decisions Credits: 3
- ECO 4422 - Econometrics: Causal Inference, Panel and Survey Data Credits: 3
- ECP 3004 - Contemporary Economic Issues Credits: 3
- ECP 4044 - Economic Analysis for Technologists Credits: 3

General Electives

Any 1000 level course may fulfill this requirement.
Recommended Business Analytics electives:

- STA 3241 - Statistical Learning Credits: 3
- STA 4853 - Time Series Analysis for Business, Data Science, and Economics Credits: 3
- COP 3834 - Web Application Development Credits: 3
- MAC 2312 - Analytic Geometry and Calculus 2 Credits: 4
- ESI 3005 - Introduction to Networks and a Connected World Credits: 3
- ESI 4011 - Data Analytics for Smart City & Transportation Credits: 3
- ESI 4513 - Intelligent Mobility Credits: 3
- COP 4421 - Autonomous Systems Programming Credits: 3
- CAP 4613 - Applied Deep Learning Credits: 3
- CAP 4410 - Computer Vision Credits: 3
- CEN 4721 - Human Computer Interaction Credits: 3
- MAN 3613 - Supply Chain Risk Management Credits: 3
- Any DSBA concentration course outside of a pursued concentration.

Arts, Humanities, and Social Sciences

Arts & Humanities

Required for BA majors:
IDS 2144 - Legal, Ethical, and Management Issues in Technology Credits: 3
Atleast one course (3 credits) from the following state required list:

- ARH 2000 - Art Appreciation Credits: 3
- HUM 2020 - Introduction to the Humanities Credits: 3
- LIT 2000 - Introduction to Literature Credits: 3
- MUL 2010 - Music Appreciation Credits: 3
- PHI 2010 - Introduction to Philosophy Credits: 3

Social Sciences

Required for BA majors:

- ECO 2013 - Principles of Macroeconomics Credits: 3
- ECO 2023 - Principles of Microeconomics Credits: 3

Atleast one course from the following list:

- AMH 2010 - American History to 1877 Credits: 3 (Fulfills Civic Literacy Requirement)
- AMH 2020 - American History Since 1877 Credits: 3 (Fulfills Civic Literacy Requirement)
- POS 2041 - American Government Credits: 3 (Fulfills Civic Literacy Requirement)
- PSY 2012 - General Psychology Credits: 3

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