

BS in Business Analytics

2025-2026 Catalog

Freshman Year

Sophomore Year

Junior Year

Senior Year

Semester 1

Semester 2

Semester 1

Semester 2

Semester 1

Semester 2

Semester 1

Semester 2

COP 2073
Foundation of Data
Analytics
(3)

ECO 2013
Principles of
Macroeconomics
(3)

ISC 2310
Python for Data
Analytics
(3)

BUL 2241
Law, Public Policy,
Negotiation and
Business
(3)

EGS 3625
Eng. & Tech. Project
Mgmt
(3)

GEB 3373
Intl. & Comparative
Dim. of Business
(3)

IDC 4942
Data Analytics
Capstone 1.
(3)

IDC 4943
Data Analytics
Capstone 2.
(3)

ENC 1101
English Composition
1
(3,W)

STA 2023
Statistics 1
(3)

ACG 2020
Accounting for
Managers
(3)

ENT 2112
Entrepreneurial
Opportunity Analysis
(3)

ECP 4031
Benefit Cost Analysis
(3)

COP 3710
Database 1
(3)

FIN 4501
Invest, Fin, Modeling
& Analytics
(3)

MAN 4633
Strategic
Management
(3)

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

MAC 2311
Analytic Geometry
and Calculus 1
(4)

General Education
Elective
Recommended:
AMH 2020 **or** POS
2041 **or** AMH 2010
(3)

STA 3036
Probability and
Statistics for
Business, Data
Science, and
Economics (3)

FIN 2000
Introduction to
Business Finance
(3)

MAN 3504
Intro to Operations
and Supply Chain
Mgmt.
(3)

EGN 3448
Operations Research
(3)

Business Analytics
Concentration
(3)

MAR 4705 Marketing
Analytics
(3)

Natural Science
Elective
(3)

General Education
Elective
(4)

Select from Arts and
Humanities Req. List
(3)

ECO 2023
Principles of
Microeconomics
(3,W)

Business Analytics
Concentration
(3)

Business Analytics
Concentration
(3)

General Elective
(3)

QMB 4690
Process Design
Using Lean Sigma (2)

Natural Science Lab
(1)

ENC 2210
Technical Writing
(3,W)

General Elective
(3)

IDS 2144 Legal,
Ethical, and
Management Issues
in Tech
(3)

General Elective
(3)

General Elective
(3)

General Elective
(3)

Business Analytics
Concentration
(3)

IDS 4941
Professional Exp.
Internship
(0)



Legend:

Course Prefix &
Number | Credits |
Course Name

General Education
Elective | Credits

General or
Concentration
Elective | Credits

C grade or better is
required

BS in Business Analytics

Program/Concentration Electives and General Education

2025-2026 Catalog

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

