Duluth Campus

Business Analytics Minor

Management Studies

Labovitz School of Business and Economics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2021
- Required credits in this minor: 12 to 35

Business analytics combines capabilities in data management, applied statistics, and data analytic techniques to provide insights valuable to any discipline. Among the topics covered include managing databases, visualizing data, descriptive, predictive, and prescriptive analytics.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Admission Requirements

All pre-major requirements and completion of Level 2 (Expert) MS Excel Certification or completion of Levels I and II Excel workshops made available by LSBE.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Minor Requirements

Program Sub-plans

Students are required to complete one of the following sub-plans.

Business Analytics for BBA/BAcc Students

Business Analytics (12 cr)

Group A (9 cr)

MIS 3220 - Database Management and Design (3.0 cr)
BA 4410 - Data Visualization (3.0 cr)
or BA 5410 - Data Visualization (3.0 cr)
BA 4420 - Data Analytics for Managerial Decision Making (3.0 cr)
or BA 5420 - Data Analytics for Managerial Decision Making (3.0 cr)

Group B (3 cr)

Take 1 or more course(s) totaling 3 or more credit(s) from the following:

- BA 4440 - Spreadsheet Modeling and Decision Analysis (3.0 cr)
- BA 4460 - Big Data Analytics (3.0 cr)
- ECON 3020 - Applied Statistics for Business and Economics II (3.0 cr)
- HCM 4580 - Health Services Data and Analysis (3.0 cr)
- MATH 4180 - Solving Industrial Mathematics Research Problems (3.0 cr)
- MKTG 3731 - Sales Analytics: An Introduction to Sales Analysis Techniques and Applications (3.0 cr)
- STAT 4050 - Introduction to Statistical Computing (3.0 cr)
- STAT 4060 - Introduction to Biostatistics (3.0 cr)

Business Analytics for Economics BA and non-LSBE Students

Pre-Minor Core (20 - 23 cr)

Mathematics

MATH 1160 - Finite Mathematics and Introduction to Calculus [LE CAT, LOGIC & QR] (5.0 cr)
or MATH 1296 - Calculus I [LE CAT, LOGIC & QR] (5.0 cr)

Computer Science/IT

CS 1511 - Computer Science I [LE CAT] (5.0 cr)
or MIS 2201 - Information Technology in Business (3.0 cr)

Accounting

ACCT 2005 - Survey of Accounting [LE CAT] (3.0 cr)

Business

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MGTS 1101 - Introduction to Business [LE CAT8] (3.0 cr)

Statistics

ECON 2030 - Applied Statistics for Business and Economics [LOGIC & QR] (3.0 cr)
or PSY 3020 - Statistical Methods (4.0 cr)
or SOC 3155 - Quantitative Research Methods and Analysis (4.0 cr)
or STAT 1411 - Introduction to Statistics [LE CAT, LOGIC & QR] (3.0 cr)
or STAT 2411 - Statistical Methods [LE CAT, LOGIC & QR] (3.0 cr)
or STAT 3411 - Engineering Statistics (3.0 cr)
or STAT 3611 - Introduction to Probability and Statistics (4.0 cr)

Economics

ECON 1003 - Economics and Society [LE CAT, SOC SCI] (3.0 cr)
or ECON 1022 - Principles of Economics: Macro [LE CAT, SOC SCI] (3.0 cr)
ECON 1023 - Principles of Economics: Micro [LE CAT, SOC SCI] (3.0 cr)

Business Analytics (12 cr)

Group A (9 cr)

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