

Minor in Business Analytics

The minor in Business Analytics is intended to arm students with the tools and skills to answer data-driven questions relevant to their field. To meet this goal, the required courses will cover the five pillars of business analytics - Data Collection, Data Preparation, Data Modeling, Data Visualization and Analysis, and Reporting - both in theory and practice using cutting-edge software. Electives tailor to students from a variety of majors and allow students to build their own "concentration." Consult an advisor to discuss courses and prerequisites in this minor.

Admission Requirements

One of the following courses or pairs of courses:

- MNGT-368 Business Statistics
- MATH-275 Applied And Computational Statistics
- MATH-305 Probability And Statistics
- ECON-220 Business And Economics Statistics I
- PSYC-202 Writing Intensive Program: Statistics And Research Methods I AND PSYC-302 Statistics And Research Methods II

University Core Curriculum Requirements

General Education Distribution Area	Cr. Hrs.
Fine Arts (FA)* 2 courses, from at least two of the following areas of study: Art, CMT (Mass Media or Theatre), Music (includes Dance).	6
Humanities (HU)* 3 courses, from at least two of the following areas of study: CMT (Communication), English, Linguistics, Philosophy, Women's and Gender Studies, World Languages and Cultures, (Note: No more than two foreign language courses may be used to fulfill this requirement.)	9
Behavioral/Social Sciences (SB)* 3 courses, from at least two of the following areas of study: African & African American Studies, Anthropology, Computer Science, Economics, Geography & Environmental Studies, History, Justice Studies, Latino & Latin American Studies, Political Science, Psychology, Sociology, Social Work	9
Natural Sciences (NS and NSL)** 3 courses, from at least two of the following areas of study; one course must have a laboratory component (NSL): Biology, Chemistry, Earth Science, Environmental Science, Physics (Note: If an FYE ANTH that counts as Natural Science is taken, only one Biology course may be used for Natural Science).	9

Engaged Learning Experiences

Students must complete, at Northeastern, three courses designated as Engaged Learning Experiences courses. One of the Engaged Learning Experiences courses must be at the 300-level, and one Engaged Learning Experiences course must be designated as "Boundary Crossing".

Discipline Specific (ELE-DS)

These courses have pre-requisites that are specific courses within a program of study. Discipline Specific courses give students a deeper understanding of how knowledge is created and applied in their field.

Boundary Crossing (ELE-X)

These are courses that cross disciplinary boundaries and/or cross boundaries through engagements outside the classroom or University allowing students to see how knowledge gained in one field might inform other fields or other aspects of society.

Math/Quantitative Reasoning (MA)

1 Math course, that has intermediate Algebra as prerequisite OR is a course listed on the General Education Distributive Learning List of Approved Courses. Any 3 hour college level math course, beyond Intermediate Algebra, meets this requirement.

- * Majors in Fine Arts, Humanities or Social/Behavioral Sciences, may waive up to 6 credit hours of General Education requirements in the corresponding distribution area.
- ** Majors in Natural Sciences may waive up to 9 credit hours of General Education requirements in the Natural Sciences distribution area.

Students should also be aware of all other university requirements to obtain a degree - NEIU requirements (<http://catalog.neiu.edu/graduation-requirements/bachelors-degree/>)

Code	Title	Hours
Required Courses:		
MNGT-379	Business Analytics	3
MNGT-351	Data Visualization And Management	3
MNGT-352	Model-Based Decision Making	3
Electives (choose 2):		6
CS-315	Modern Database Management	
CS-327	Computational Methods In Biology	
CS-335	Artificial Intelligence	
ECON-318	Introduction To Econometrics And Forecasting	
ECON-343	Macroeconomic Data Analysis	
ECON-346	Applied Economic Statistics Using R	
GES-372	GIS Across Disciplines	
MATH-307	Introduction To Stochastic Processes	
MATH-365	Statistical Computer And Data Analysis Packages	
MKTG-353	Marketing Research	
MNGT-353	Supply Chain Analytics	
MNGT-369	Introduction To Data Science	
MNGT-377	Production/Operations Management	
PSYC-307	Psychological Tests And Measurements	
Total Hours		15