

Minor in Data Analytics

The minor in Data Analytics is intended to arm students from any college and major with the tools and skills to answer data-driven questions relevant to their field. To meet this goal, 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".

Admission Requirements

One of the following courses:

- MNGT 368 - Business Statistics
- MATH 275 - Applied And Computational Statistics
- MATH 305 - Probability and Statistics
- ECON 220 - Business And Economics Statistics I

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
ECON-318	Introduction To Econometrics And Forecasting	
ECON-343	Macroeconomic Data Analysis	
ECON-346	Applied Economic Statistics Using R	
MKTG-353	Marketing Research	
GES-372	GIS Across Disciplines	
MNGT-377	Production/Operations Management	
MNGT-353	Supply Chain Analytics	
MATH-365	Statistical Computer And Data Analysis Packages	
MATH-307	Introduction To Stochastic Processes	
CS-315	Modern Database Management	
CS-327	Computational Methods In Biology	
CS-335	Artificial Intelligence	
Total Hours		15