

# ANALYTICS MINOR

<https://ceps.unh.edu/computer-science/program/minor/analytics>

## Description

The objective of this minor is to provide a basic background in analytics for those interested in applications.

## Requirements

Students must complete five courses (20 credits) with a cumulative minimum grade point average of 2.0 and with no grade below a C-grade. Transfer course approval for the minor is limited to at most, two relevant courses successfully completed at another accredited institution, subject to syllabi review and approval. Some preparation in [MATH 425](#): Calculus I and programming ([CS 414](#): From Problems to Algorithms to Programs, [CS 415](#): Introduction to Computer Science I, or [COMP 425](#): Introduction to Programming) is required.

| Code                         | Title   | Credits   |
|------------------------------|---|-----------|
| <b>Requirements</b>          |   |           |
| CS 417                       | From Programs to Computer Science (Durham Students) | 4         |
| or COMP 525                  | Data Structures Fundamentals                        |           |
| CS 457                       | Introduction to Data Science and Analytics          | 4         |
| or DATA 557                  | Introduction to Data Science and Analytics          |           |
| MATH 545                     | Introduction to Linear Algebra                      | 4         |
| MATH 645                     | Linear Algebra for Applications                     | 4         |
| Select one of the following: |   | 4         |
| DATA 674                     | Predictive and Prescriptive Analytics I             |           |
| DATA 675                     | Predictive and Prescriptive Analytics II            |           |
| DATA 750                     | Neural Networks                                     |           |
| DATA 757                     | Mining Massive Datasets                             |           |
| <b>Total Credits</b>         |   | <b>20</b> |

For more information, contact Wheeler Ruml, program coordinator and minor supervisor, at [wheeler.ruml@unh.edu](mailto:wheeler.ruml@unh.edu).