

Minor in Data Science

College of Natural Science

Department of Computational Mathematics, Science and Engineering (CMSE)

<http://cmse.msu.edu/>

The Minor in Data Science is designed to provide students with a strong background in data science using a broad range of computational techniques, practice in statistical thinking, as well as in-depth exposure to topics in data science.

Students who plan to complete the requirements of the minor should consult the undergraduate advisor in CMSE (cmseug@msu.edu)

Complete a minimum of 23 credits from the following:

1. Requirements (19 credits):

- STT 180 Introduction to Data Science (4 credits)
- CMSE 201, Computational Modeling and Data Analysis I (4 credits)
- CMSE 202, Computational Modeling and Data Analysis II (4 credits)
- CMSE 381 Fundamentals of Data Science Methods (4 credits)
- MTH 314 Matrix Algebra with Computational Applications (3 credits)

2. One of the following groups (4 or 6 credits):

- a. STT 380 Probability and Statistics for Data Science (4 credits)
- b. STT 441 Probability and Statistics I: Probability (3 credits)
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