

# Data Science MEng Admission Requirements

The MENG Data Science concentration consists of 30 credits of graduate training consisting of courses on the fundamental theory and practice of data science including topics from big data analytics, machine learning, data visualization, and data mining.

## Admission Requirement. Admission requires:

- ❖ Bachelor's degree,
- ❖ Two letters of recommendation, and
- ❖ preparation in mathematics and programming reflecting:
  - ❖ Multivariable Calculus; Linear Algebra;
  - ❖ Fluency in a high-level programming language;
  - ❖ Probability theory or statistics, typically consistent with one semester of rigorous undergraduate study (equivalent to, e.g., MATH3160 or STAT3025).
  - ❖ Further recommendations:
    - Python experience;
    - Data Structures and Algorithms (akin to CSE2050);
    - Design and Analysis of algorithms (akin to CSE3500).

## Further comments on admissions requirements:

- ❖ GRE scores not required.
- ❖ Successful candidates have at least a 3.0 GPA in undergraduate coursework, with strong performance in STEM courses.