

School of Computing

Master of Engineering (MENG) Admission Requirements

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| **Computer Science and Engineering Master of Engineering (MENG)**30 credits of graduate training emphasizing breadth, theory, and practice in computing. **ADMISSION REQUIREMENTS:*** Bachelor’s degree
* Two letters of recommendation
* Preparation in computing. The preparation in computing requirements can be met in two ways:
* B.S./B.A. or advanced degree in computing,

**OR*** + Preparation roughly consistent with an undergraduate computing degree. Required background, for those students entering the program without a related degree, includes the following:
		- Multivariable Calculus, Linear Algebra; Discrete Mathematics (equivalent to CSE2500);
		- Operating Systems or Systems Programming course (equivalent to CSE3100);
		- Data Structures and Algorithms (equivalent to CSE2050);
		- One year of programming (equivalent to CSE1010 & CSE 2050).
* Recommendations:
	+ Probability and Statistics
	+ Computer Architecture (equivalent to

CSE3666)* + Design and Analysis of Algorithms (equivalent to CSE3500)

Further experience in computing (e.g., our core courses such as Bioinformatics, Data Analytics, Cybersecurity, Networking, Software Engineering, Theory of Computing). |  | **Data Science Master of Engineering (MENG)**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 REQUIREMENTS:*** Bachelor’s degree
* Two letters of recommendation
* Preparation in mathematics and programming reflecting:
* Multivariable Calculus; Linear Algebra; Discrete Mathematics (equivalent to CSE2500);

Data Structures and Algorithms (equivalent to CSE2050);* Fluency in a high-level programming lan-

guage;* Probability theory or statistics, typically consistent with one semester of rigorous undergraduate study (equivalent to, e.g., MATH3160 or STAT3025).

Further recommendations:Python experience; Design and Analysis of Algorithms (equivalent to CSE3500). |
| School of Computing Comments on Admission Requirements: **GRE Scores not required.**Successful candidates must have at least a 3.0 GPA in undergraduate coursework, with a strong performance in STEM courses. **Questions? Cont****act engrcaee@uconn.edu** |

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