

Computer Science and Engineering Department 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 requirement can be met in two ways: * B.S./B.A. or advanced degree in computing,   **OR**   * + Preparation roughly consistent with an un- dergraduate 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 Pro- gramming 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 Engineer- ing, 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 program- ming reflecting: * Multivariable Calculus; Linear Algebra; Dis- crete Mathematics (equivalent to CSE2500);   Data Structures and Algorithms (equivalent to CSE2050);   * Fluency in a high-level programming lan-   guage;   * Probability theory or statistics, typically con- sistent with one semester of rigorous under- graduate study (equivalent to, e.g., MATH3160 or STAT3025).   Further recommendations:  Python experience; Design and Analysis of Al- gorithms (equivalent to CSE3500). |
| Computer Science and Engineering Department 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**](mailto:engrcaee@uconn.edu) | | |

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