

MASTER OF SCIENCE IN COMPUTER SCIENCE (ONLINE)

Department: Computer Science and Information Systems (<https://catalog.bradley.edu/graduate/liberal-arts-sciences/computer-science-information-systems/>)

Admissions Requirements

For admission into the online computer science program, a student must have an undergraduate degree in CS or related area, approval of the department and have completed:

- Discrete mathematics
- At least two semesters of calculus, matrix or linear algebra
- At least one semester of calculus-based statistics
- At least 15 hours of computer science coursework including knowledge of one structured or object-oriented programming language, advanced data structures, and introductory computer architecture

In addition to satisfying the Graduate Education requirements for the degree, all candidates for the online master's degree in computer science must satisfy the following departmental requirements:

1. At least 33 hours of graduate-level coursework. The course CS 502 Advanced Programming does not count as part of the total hours needed.
2. No "D" grades can be counted in completion of requirements for the degree.
3. Every student must pass a comprehensive assessment that will be based on the core requirements for the online Computer Science program.

In addition to meeting the general requirements of Graduate Education and the departmental requirements, candidates for the online master's degree in computer science must satisfy the following requirements:

Code	Title	Hours
Core Requirement		
CS 514	Algorithms	3.0
CS 520	Advanced Computer Architecture	3.0
CS 571	Database Management Systems	3.0
CS 590	Fundamentals of Software Engineering	3.0
Software Engineering and Data Science		
CIS 530	Information Technology Infrastructure	3.0
CS 560	Fundamentals of Data Science	3.0
CS 562	Machine Learning	3.0
CS 563	Knowledge Discovery and Data Mining	3.0
CS 591	Software Project Management	3.0
CS 592	Requirements Development	3.0
CS 593	Agile Software Development	3.0
Total Hours		33