COMPUTER SCIENCE, BS

for the degree of Bachelor of Science in Computer Science

department website: https://cs.illinois.edu
department faculty: Computer Science Faculty (https://cs.illinois.edu/people/faculty/)
overview of college admissions & requirements: The Grainger College of Engineering (https://grainger.illinois.edu/admissions/)
college website: https://grainger.illinois.edu/

The Computer Science curriculum provides both a broad and deep knowledge of the theory, design, and application of computer systems, with an emphasis on software systems. Because computing is ubiquitous, application areas involve virtually any field imaginable - from developing gene sequencing algorithms via techniques in computational biology, to designing user interfaces for mobile applications; from designing methods for high frequency trading, to creating computer generated graphics and special effects in the gaming industry; and from creating embedded real time systems to be deployed in medical devices, to analyzing social data from internet communication patterns. During the first two years the curriculum provides a strong foundation in mathematics, science, and computation. Advanced coursework in areas of the student's choosing follows in the second two years, which include either a senior thesis or a senior project. Graduates may go on to graduate study or leading positions in industry.

A combined B.S.-M.S. and B.S-M.C.S. degree program is available. The admission and course requirements are described on the Computer Science website (https://cs.illinois.edu/academics/graduate/fifth-year-masters-programs/5-year-bs-ms-program/).

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Current students should follow their appropriate catalog year. Academic catalog information for academic years prior to and including 2020-2021 can be found here: http://catalog.illinois.edu/archivedacademiccatalogs/

Students enrolling in Fall 2021 should visit the Computer Science website (https://cs.illinois.edu/academics/undergraduate/degree-program-options/bs-computer-science (https://cs.illinois.edu/academics/undergraduate/degree-program-options/bs-computer-science/)), as the 2021-2022 Academic Catalog information for this program is awaiting publication.

If you have questions, please contact the Computer Science Department: undergrad@cs.illinois.edu

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Suggested Sequence

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