DATA SCIENCE, B.S. TO COMPUTER SCIENCE, M.S. ACCELERATED PROGRAM

Saint Louis University's data science B.S. to computer science M.S. accelerated program allows a student to complete both the Bachelor of Science in Data Science and the Master of Science in Computer Science in less time than if both programs were pursued independently.

For additional information, see the catalog entries for the following programs:

Data Science, B.S. (https://catalog.slu.edu/colleges-schools/arts-sciences/interdisciplinary/data-science-bs/)

Computer Science, M.S. (https://catalog.slu.edu/colleges-schools/science-engineering/computer-science/computer-science-ms/)

Requirements

Students who want to apply to this accelerated program should have completed all 2000-level coursework required of the data science bachelor's program and have completed at least 75 credits at the time of application.

At the time of application, students must have a cumulative GPA of at least 3.00 and a GPA of at least 3.00 in their computer science coursework. Contact the graduate coordinator for more details.

Non-Course Requirements

All Science and Engineering B.A. and B.S. students must complete an exit interview/survey near the end of their bachelor's program.

Continuation Standards

Students must maintain a cumulative GPA of at least 3.00 and a GPA of at least 3.00 in their computer science coursework.

Students who drop below that GPA while in the accelerated program will be placed on a one-semester probationary period before being dismissed from the accelerated program.

Only grades of "B" or better in the graduate courses taken while an undergraduate can be applied to the master's degree.

Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.
Graduate Electives
The general requirements must include a course from at least two of the following categories:

- CSCI 5200-5299 (Language/Compilers courses)
- CSCI 5600-5699 (Large Scale Systems courses)
- CSCI 5700-5799 (Knowledge Systems)
- CSCI 5800-5899 or BCB 5200/5250 (Advanced Applications)

Program Notes
CSCI 5050 Computing and Society (3 cr) requirement will be waived for students who took Computer Ethics as an undergraduate; these hours would become an additional graduate elective.

Thesis Option
A master’s thesis is optional. Students completing a thesis should take six credits of Thesis Research Thesis Research (CSCI 5990) as part of the elective requirements.

Internship with Industry
Students may apply at most three credits of Internship with Industry (CSCI 5910) toward the degree requirements.

Closely Related Disciplines
With approval, students may include up to six credits of elective graduate coursework in closely related disciplines (e.g. mathematics and statistics, bioinformatics and computational biology, electrical and computer engineering).