

Computer Science, Graduate Certificate (Boston)

The postbaccalaureate certificate is designed to give students a solid foundation in the mathematical and theoretical underpinnings of computer science, including the areas of discrete mathematics, basic programming, data structures, object-oriented programming, algorithms, and computer systems. The goal of the certificate is to provide foundational knowledge in computer science that is valuable in both the workplace for career advancement, as well as to those looking to move into graduate programs within the discipline.

The courses in the Postbaccalaureate Certificate in Computer Science will serve as the foundational premaster's courses in the Align program. Students that successfully complete the five certificate courses with a B in each course or better will be eligible to matriculate into the Master of Science in Computer Science program.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

| Code | Title | Hours |
|------------------------|---|-------|
| CS 5001 and CS 5003 | Intensive Foundations of Computer Science and Recitation for CS 5001 | 4 |
| CS 5002 | Discrete Structures | 4 |
| CS 5004 and CS 5005 | Object-Oriented Design and Recitation for CS 5004 | 4 |
| CS 5008 and CS 5009 | Data Structures, Algorithms, and Their Applications within Computer Systems and Recitation for CS 5008 | 4 |

Program Credit/GPA Requirements

16 total semester hours required

Minimum 3.000 GPA required