Compete for positions in high-growth technology areas and build skills that will help you to master emerging software technologies, applications, and approaches, with the Master of Science in Computer Science (MSCS) at Boston University’s Metropolitan College. Develop advanced understanding and command of software design and become proficient in programming, algorithms, operating systems, databases, software development, and the management of data, networks, or security.

The MSCS prepares software developers and engineers—and those who seek entry to the field—for rewarding work as information security analysts, network administrators, data analysts, and software systems leaders.

**CONCENTRATIONS**
Students have the option to choose a concentration:
- Computer Networks
- Data Analytics
- Security

**PROGRAM HIGHLIGHTS**
- Courses are offered on campus during convenient evening hours.
- Ten-course curriculum can be completed in less than two years on a part-time basis.
- Applications are accepted on a rolling admissions basis.
- Concentration in Security is certified by the Committee on National Security Systems (CNSS).
- GMAT/GRE not required.

**A Top-Ranked University**

*Times Higher Education ranking:*
- #5, Top U.S. Universities for Graduate Employability

*2018 U.S. News & World Report rankings:*
- #37, National Universities
- #39, Global Universities

**ON CAMPUS**

- BU is designated by the National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence in Information Assurance Education and Research.
- Established in 1979, the Department of Computer Science at Metropolitan College is the longest-running computer science department at BU.

Boston University Metropolitan College

617-353-6004 | CSAdmissions@bu.edu | bu.edu/met
DEGREE REQUIREMENTS
A total of ten courses (40 credits) is required to obtain the MSCS degree. Students must complete five core courses and five electives. Students who choose electives that satisfy the concentration requirements below also earn those concentrations.

Core Curriculum (five courses/20 credits)
MET CS 535  Computer Networks OR
MET CS 579  Database Management
MET CS 566  Analysis of Algorithms
MET CS 575  Operating Systems
MET CS 662  Computer Language Theory
MET CS 673  Software Engineering

General Electives (five courses/20 credits)
Students not choosing a concentration must select five general electives.
MET CS 532  Computer Graphics
MET CS 544  Foundations of Analytics with R
MET CS 555  Data Analysis and Visualization with R
MET CS 561  Financial Informatics
MET CS 570  Biomedical Sciences and Health IT
MET CS 580  Health Informatics
MET CS 581  Electronic Health Records
MET CS 599  Biometrics
MET CS 601  Web Application Development
MET CS 602  Server-Side Web Development
MET CS 622  Advanced Programming Techniques
MET CS 632  IT Project Management
MET CS 633  Software Quality, Testing, and Security Management
MET CS 635  Network Media Technologies
MET CS 664  Artificial Intelligence
MET CS 665  Software Design and Patterns
MET CS 674  Database Security
MET CS 683  Mobile Application Development with Android
MET CS 684  IT Security Policies and Procedures
MET CS 685  Network Design and Management

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MET CS 684  IT Security Policies and Procedures
MET CS 685  Network Design and Management

CONCENTRATION REQUIREMENTS
In addition to the MSCS core curriculum (20 credits), students pursuing one of the following concentrations must also take the requirements specified below.

• Computer Networks
Five required courses—CS 635, CS 685, CS 690, and CS 775, and one general elective

• Data Analytics
Five required courses—CS 544, CS 555, CS 688, and CS 699, and one general elective

• Security
Five required courses: CS 690, CS 695, and CS 789, plus one of the following: CS 599, CS 674, CS 684, CS 693, CS 694, CS 703, or CS 799; and one general elective

LEARN MORE
If you have questions about the program, or you're looking for information about admissions and tuition, please contact us or visit our website.