In 2017, “Software Developer” was ranked the #2 Best Technology Job by U.S. News & World Report. At Boston University’s Metropolitan College (MET) you can obtain the skills to excel in software development, including in an agile team. You will learn how to create software in an interactive process that involves multiple stakeholders.

The new Master of Science in Software Development (MSSD), offered by MET’s Department of Computer Science, is one of the only software development graduate degree programs in the United States. Ideal for those who enjoy programming, this demanding curriculum focuses on developing skills that dramatically improve coding capabilities, while also catering to those who want to move into managing development teams. Taught by full-time faculty and professionals with hands-on expertise in the industry, graduates will be able to demonstrate:

- The ability to understand and analyze business and technical requirements.
- The confidence to work comfortably with a software development and project team.
- The competence to produce applications that fully satisfy requirements.
- The skills to produce secure, robust, and reliable designs and code.
- The capability to manage and participate in multi-location, multi-language development projects.

**PROGRAM HIGHLIGHTS**

- Students gain in-depth, practical experience with the latest technologies through case studies and real-world projects.
- Class formats allow students to study during convenient evening hours on campus, or in an online format.
- Online courses begin six times each year, and include live lectures—recorded and transcribed for your review—and discussions, videos, interactive animations, message boards, and more, providing a forum for engaged learning within a structured and participatory environment.
- Students can begin courses on campus in spring, summer, or fall. Classes meet in the evening to accommodate working professionals.
- We provide you with the prerequisite knowledge and skills for the program, regardless of your background.
- Applications are accepted on a rolling admissions basis.
- GMAT/GRE not required.
MASTER OF SCIENCE IN SOFTWARE DEVELOPMENT

A total of eight courses (32 credits) is required to complete the MS in Software Development degree program on campus or online.

Core Curriculum (six courses/24 credits)

- MET CS 521 Information Structures with Python
- MET CS 526 Data Structures and Algorithms
- MET CS 622 Advanced Programming Techniques
- MET CS 634 Agile Software Development
- MET CS 665 Software Design and Patterns
- MET CS 682 Information Systems Analysis and Design

General Electives (two courses/8 credits)

Select two from the following list:

- MET CS 602 Server-Side Web Development*
- MET CS 669 Database Design and Implementation for Business
- MET CS 677 Data Science with Python
- MET CS 683 Mobile Application Development with Android
- MET CS 701 Rich Internet Application Development
- MET CS 763 Secure Software Development
- MET CS 767 Machine Learning

Students interested in taking general electives outside of the above list may request approval from the Department of Computer Science.

*Requires instructor consent

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.

Phone 617-353-6004
Email CSAdmissions@bu.edu
Visit bu.edu/met/software-development

A Top-Ranked University
2018 U.S. News & World Report rankings:

- #6, Best Online Graduate Computer Information Technology Programs
- #37, National Universities
- #39, Global Universities