



Master of Science in Computer Science

Stay up to date in the ever-changing age of technology

In a world that increasingly depends on technology, you can gain an advantage in an exciting industry by earning your master's in Computer Science. In this program, you'll develop a comprehensive and in-depth knowledge of this crucial field — increasing your earning potential and improving your job prospects as you advance in your chosen career. At University of Bridgeport, you'll benefit from the freedom and flexibility of a program designed with your personal and professional goals in mind — with one of 11 unique concentrations to choose from.

Keep you finger on the pulse of the latest technological achievements

Earning a graduate degree can help you stay ahead in a dynamic field. At UB, our master's in Computer Science program will equip you with the essential knowledge to succeed in an exciting, rapidly evolving industry. Our MS in Computer Science program is designed to help you advance your career to the next level — building on your existing background in elementary physics, calculus sequence, linear algebra, and other fundamentals to refine your professional skills.

Earn your degree in your own way

At UB, you'll have the option to earn your master's in Computer Science either on ground or online. Learn on our seaside campus in Bridgeport and benefit from the prime location between two major hubs of industry, or tailor your schedule to your personal and professional needs with fully online and asynchronous classes.



Curriculum

34 semester hours are required. The core curriculum consists of 6 credits. After completing your core courses, the rest of the program is tailored to your career goals and interests through elective courses. Students must also complete a Master's Project (3 credit hours) or a Thesis Project (6 credit hours) as part of your elective credits.

Core requirements

CPSC 501	Object Oriented Programming using Design Patterns
CPSC 502	Analysis of Algorithms

View all courses offered and read full course descriptions in our course catalog (bridgeport.edu/academics/course-catalog).

The University of Bridgeport is accredited by the New England Commission of Higher Education. The University also is accredited by the Connecticut Office of Higher Education.

Choose from 11 career-focused concentrations

- Advanced Applications and Systems Programming
- Artificial Intelligence and Deep Learning
- Big Data, Data Mining, and Hadoop NoSql
- Cloud, Web, Services Oriented Architecture, and Blockchain technologies
- Computer Vision and Autonomous Vehicles
- Computer and Information Security
- Computer Communications and Networking
- Internet Of Things (IOT) and Embedded Systems
- Parallel and Distributed Processing
- Robotics and Automation
- Software Engineering

Admission requirements

- Application
- Official transcript for the last degree earned
- Two letters of recommendation
 - Letters must come directly from employers, professors, or professional associates. Your recommenders should comment on your work ethic, academic or professional experience in your field of choice, and how you would positively contribute to the School of Engineering.
- Personal statement
 - In 250-500 words, detail why you are seeking this degree, how you expect to apply your degree to your professional career after graduation and why you seek to pursue your degree through University of Bridgeport
- Resumé

* To be considered for a scholarship, you must submit transcripts from each institution attended.

