Tailor your studies to your professional goals with over 10 unique concentrations

Prepare for advanced professional work in the field

Learn from expert faculty at the School of Engineering

Master of Science in
Computer Engineering
Turn ideas into technological achievements

Unlock a world of opportunities with a master's in Computer Engineering from University of Bridgeport. Gain a deep and comprehensive understanding of computer engineering and prepare to take the next steps in your career. Our program enhances your ability to learn independently, tackle technical challenges, and apply your knowledge to real-world problems. Working with our expert faculty, you will develop strong analytical skills to evaluate options, propose optimal solutions, and effectively communicate your findings.

Lay the foundation for your future career

UB's master's in Computer Engineering offers a comprehensive course of study tailored to individuals with an undergraduate background in computer or electrical engineering. Our program is designed to equip students with the knowledge necessary for thriving in the dynamic landscape of technology. Through a combination of theoretical foundations and hands-on practical experiences, students dive into cutting-edge topics such as artificial intelligence, robotics, computer architecture, and more.

Specialize in several concentration areas

Computer Engineering master's students are offered the opportunity to specialize in various concentration areas of their choosing that align with their professional interests, such as:

- Advanced Applications and System Programming
- VLSI and FPGA Design
- Computer and Information Security
- Computer Communications and Networking
- Artificial Intelligence
- Microelectronics and Computer Architecture
- IOT and Embedded Systems
- Robotics and Automation
- Signal and Image Processing
- Software Engineering
- Parallel and Distributed Computing

UNIVERSITY OF BRIDGEPORT

For more information, contact:
203-576-4552
bridgeport.edu/msce

Master of Science in
Computer Engineering

Curriculum

Program requirements	
CPSC 501	Object Oriented Programming using Software Design Patterns Using C++
CPEG 510	Introduction to Computer Architecture
CPEG 572	Data and Computer Communication
CPEG 448D	Introduction to VLSI Design
or CPEG 447	Logic Synthesis Using FPGAs
ELEG 443	Applied Digital Signal Processing

Total core courses: 15 credits
Electives: 18 credits

Total credits: 33

View all courses offered and read full course descriptions in our course catalog (www.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.

Admission requirements

Prerequisites

- Bachelor's degree in engineering or a related STEM field from an accredited university or recognized international institution
- Recommended cumulative undergraduate GPA of 2.90 or higher

Required materials

- Application
- Official transcript for the last degree earned. To be considered for a scholarship, you must submit transcripts from each institution attended.
- 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

UNIVERSITY OF BRIDGEPORT

For more information, contact:
203-576-4552
bridgeport.edu/msce