



Master of Science in Artificial Intelligence

Prepare for the careers of the future

Artificial Intelligence (AI) is a rapidly growing industry that is having an unprecedented impact on businesses and industries across the globe. With a Master of Science in AI, you'll join leaders who are at the forefront of these changes, offering you the potential to make a positive difference by joining this evolving, life-changing, and revolutionary field.

Get hands-on experience at UB's state-of-the-art facilities

At UB, you'll practice your skills in robotics at the Interdisciplinary Robotics, Intelligent Sensing, and Control (RISC) Laboratory, our 3D manufacturing facility for robotic manipulators, autonomous robots and sensory interpreters, and unmanned aerial vehicles and drones. You'll develop commercially applicable projects in conjunction with our expert faculty and gain practical experience that will benefit you in your career.

Tailor your studies to your goals and interests

UB's Master of Science in Artificial Intelligence includes four different areas of specialization that you can mix and match to personalize your experience in the program and best prepare you for the career of your dreams.

These areas of specialty include:

- Robotics and Automation
- Deep Learning and Computer Vision
- Data Sciences and Data Analytics
- Cybersecurity



Curriculum

The Artificial Intelligence program requires students to complete a total of 34 credit hours prior to graduation. Students may select one or more areas of specialization, in which case, the student will need to take at least three courses in each area(s) selected.

Robotics and Automation courses

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| CPSC 460 | Introduction to Robotics |
| CPSC 461 | Advanced Robotics |
| CPEG 585 | Computer Vision |
| CPEG 588 | Introduction to Autonomous Vehicles |

Data Sciences and Data Analytics courses

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| CPSC 552 | Data Mining |
| CPSC 651 | Big Data Systems and Analysis |
| CPSC 652 | Hadoop and NoSQL |
| CPSC 570 | Advanced Robotics |

Deep Learning and Computer Vision courses

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| CPEG 585 | Computer Vision |
| CPEG 586 | Deep Learning |
| CPEG 588 | Autonomous Vehicles |
| CPEG 686 | Advanced AI and Deep Learning |

Cybersecurity courses

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| CPEG 561 | Network Security |
| CPSC 563 | Applications Security |
| CPSC 568 | Cryptography |
| CPSC 571 | Internet Computing |

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

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.

Program prerequisites

- Bachelor's degree from an accredited university or recognized international institution
- Recommended cumulative undergraduate GPA of 2.90 or higher

Required materials

- Application, available at bridgeport.edu/apply
- Official transcripts for the last degree earned
 - To be considered for a scholarship, you must submit transcripts from each institution attended
- Resumé