


Tailor your schedule with online or on-campus classes



Personalize your experience with a thesis or internship track



Expand your skills with a dual degree in Business Administration

Master of Science in Analytics and Systems

Transform information into intelligence

Do you find new information fascinating? If you have a head for numbers and a keen eye for innovation, a career in analytics can help you make a meaningful difference — positioning you to impact diverse organizations by supporting data-driven decisions. By earning your MS in Data Analytics, you can prepare for a future as a sought-after professional. At University of Bridgeport, we’ll equip you for success in this in-demand field — leveling up your skills and opening doors to rewarding opportunities.

Empowering insights — advancing innovation

Analytics professionals leverage information to help organizations thrive — inspiring and empowering long-term success through data-driven insights. At University of Bridgeport’s Ernest C. Trefz School of Business, you will gain the knowledge and skills necessary to achieve advanced roles in this indispensable field. Our expert instructors come from diverse personal and professional backgrounds — bringing unique and valuable perspectives to the classroom. Through a comprehensive curriculum designed to advance your skills, you will hone your Analytics knowledge in a collaborative and supportive learning environment.

An MS in Analytics — earned your way

At UB, we understand that one size doesn’t fit all. That’s why we offer flexible options for earning your master’s in Data Analytics. You can complete your studies online or on campus, allowing you to take classes at your convenience. Whether you join us on-site or remotely, you’ll have the freedom to choose between a thesis or internship degree track. Our MS in Data Analytics can also be combined with a dual master’s degree in Business Administration (MBA) — positioning you as a stand-out professional as you pursue advanced roles in the field.

Master of Science in Analytics and Systems

Curriculum

Core Courses

ITKM 505	Information Systems and Knowledge Management
MGMT 555	Global Program and Project Management

Analytics intelligence courses

ITKM 548	Introduction to Business Analytics
ITKM 549	Technical Concepts for Analytics Professionals
ITKM 560	Foundations in Advanced Business Analytics

Analytics applications courses

Select 1 of the following courses listed below:

FIN 534	Behavioral Economics Algor Financial
ACCT 505	Managerial and Cost Accounting
ACCT 570	Accounting Analytics
BUCP 589	Cases in Economics & Ethics
FIN 505	Advanced Financial Management and Policy
FIN 520	Investment Analysis
FIN 525	International Financial Management
FIN 540	Financial Analysis and Modeling
FIN 545	Financial Derivatives and Risk Management

Select 1 of the following courses listed below:

MKTG 505	Marketing Research
MKTG 525	Data-Driven Marketing

Select 1 of the following courses listed below:

MGMT 539	Strategic Sourcing and Vendor Management
MGMT 539	International Issues
MGMT 582	Innovation & Business Planning
TCMG 524	Statistical Quality Control
TCMG 573	Supply Chain Management
TCMG 577	Lean Manufacturing

Capstone

BUCP 588	Research Methods for Business
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Select 1 of the following courses listed below:

BUCP 597	Strategy & Policy
BUCP 598	Thesis
BUCP 599	Internship

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

Program prerequisites

- Bachelor's degree from an accredited university or recognized international institution
- It is recommended to have an undergraduate degree in Economics, Information Systems, Management, Mathematics, or Statistics
- Cumulative undergraduate GPA of 3.0 or higher, or if below 3.0, at least five years of relevant work experience

Required materials

- Application
- Official transcript for the last degree earned. To be considered for a scholarship and prerequisite waivers, you must submit transcripts from each institution attended.
- Two letters of recommendation
 - Letters may come from employers, professors or professional associates and should describe your work ethic, academic or work experience, and why you would be a good fit for the program
- Personal statement
 - In 250-500 words, detail why you are seeking an MS in Analytics, 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