

Master of Business Administration STEM

Bentley's STEM MBA program equips future business leaders with the skills necessary to excel in today's data- and technology-driven environment. Through a blend of theoretical foundations and hands-on experiences, students learn to harness the power of technology, leverage data analytics and make informed decisions that drive organizational success.



TECHNOLOGY + ANALYTICS FOCUS

Graduates gain advanced skills in SQL, predictive modeling, data management and hands-on tech applications, ensuring you are job-ready from day one.



CUSTOMIZABLE MAJORS

Chart your path with four majors: AI, Accounting Analytics, Business Analytics or Financial Analytics.



FLEXIBLE FORMAT

Designed to fit your career stage and schedule, the program offers full-time or part-time options with online and in-person courses tailored to your goals.



OPT EXTENSION ELIGIBLE

International students on F-1 visas may apply to USCIS for a 24-month extension of their standard 12-months of OPT based on this classification, which if approved would result in a total of 36 months of U.S. work authorization.

CAREER FOCUSED

Graduates enter high-demand roles at the intersection of analytics, tech and business in industries like consulting, fintech, e-commerce, IT and more.

TOP EMPLOYERS INCLUDE:

- | | |
|------------------------|------------------------|
| ■ Athenahealth | ■ Mass General Brigham |
| ■ Epsilon | ■ Raytheon |
| ■ EY | ■ Staples |
| ■ Fidelity Investments | ■ Wayfair |



Employment in STEM occupations is projected to grow **10.4% by 2033**.

U.S. Bureau of Labor Statistics



BENTLEY UNIVERSITY

McCallum Graduate School
of Business

CURRICULUM

Build your foundation in core MBA subjects while expanding your technical depth with electives in analytics, innovation and data-driven strategy. Each major consists of at least seven STEM courses: three in the core and four to six in the electives. Students can specialize in AI, Accounting Analytics, Business Analytics or Financial Analytics.

COURSE SPOTLIGHT

DATA MANAGEMENT AND SQL FOR ANALYTICS

Master the backbone of data architecture, querying and preparation—critical for any data-driven leader.

STRATEGIC TECHNOLOGY ALIGNMENT

Learn to design and implement IT strategies that support business goals and digital transformation.

GENERATIVE AI FOR BUSINESS – SOLUTIONS AND STRATEGIES

Gain an overview of generative AI advancements, covering Natural Language Processing, Large Language Models and more, to equip you with the skills to leverage AI technologies effectively across various industries.



Review complete degree requirements and up-to-date courses.

FEATURED FACULTY

Bentley’s faculty bring deep academic expertise and real-world industry experience to the classroom, helping students connect business theory with practical application. Their insight into emerging technologies and evolving market trends prepares students.



AHMAD ALJANAIDEH, PhD

Assistant Professor

With teaching interests in AI, databases and programming, Professor Aljanaideh brings cutting-edge AI applications into the classroom, helping students understand and apply modern tools for real-world problem solving.



ARMAND DOUCETTE

Senior Lecturer

A former senior IT leader turned educator, Armand Doucette brings firsthand experience managing complex organizations, integrating emerging technologies and driving innovation. His blend of business strategy and technical expertise gives students practical, credible insight into how technology shapes decision-making, operations and transformation in today’s business environment.

FAST FACTS



36-45

course credits



4 MAJORS

AI

Accounting Analytics

Business Analytics

Financial Analytics