Master of Science in
Accounting Analytics

In the next few years, more than 2 million new data analytics jobs will be created, boosting related employment opportunities by a staggering 45 percent. The Bentley Master of Science in Accounting Analytics (MSAA) provides the skills and experience you need to get ahead of the competition in this fast-growing, competitive big data job market.

The high demand for accounting graduates with strong data and analytics skills is the reason why Bentley created a degree for students interested in audit firm practices such as risk management and process assurance. You'll gain skills in accounting practices and advanced expertise in accounting and auditing, using industry tools to explore data mining and predictive analytics.

Program Features

- Courses from five departments (Accountancy, Computer Information Systems, Finance, Information Process Management, Mathematics) sharing a common core with other MS in Analytics programs.

- Built around eight core competency courses coupled with two focused electives, the degree can be completed in 12 to 18 months.

- AACSB accredited, and the first graduate accounting program of its kind.

- STEM designation, increasing employability of international students due to three years of OPT (optional practical training).

Experiential Learning

Success in today's business world requires a practical, hands-on approach to information, whether you are analyzing it, integrating it or sharing it. Our high-tech learning labs ensure that you'll have access to the leading edge of technology, giving you every opportunity to cut your teeth on the equipment and software being used in the business world today. MSAA candidates can take advantage of the Howard A. Winer '58 Learning Lab for Economics, Accounting and Finance (LEAF), and learn how to manipulate working solutions from real data trends they've uncovered.

Career Outcomes

An MSAA prepares you for such careers as:

- Professional accounting
- Internal auditing
- Audit analytics
- Quantitative Analytic Associate

BENTLEY UNIVERSITY

"I can now stand out in this rapidly growing job market."

Ereza Gjikolli
MSAA Candidate

Curriculum

Foundation (6 courses)

All applicants will be evaluated for foundation course waivers.

AC 611 Financial Accounting Problems I

AC 612 Financial Accounting Problems II

AC 730 Business Processes and Systems Assessment

AC 741 Financial Statement Auditing

GR 521 Managerial Statistics

IDCC 620 Managerial Communication

Core (8 courses)

Analytics Core

CS 605 Data Management and SQL for Analytics

IPM 652 Managing with Analytics

ST 625 Quantitative Analysis for Business

Accounting Analytics Core

AC 731 Advanced Accounting Information Systems: Modeling Effective Accounting Systems

AC 742 Information Technology Audit

FI 631 Financial Modeling

MA 705 Data Science

ST 635 Intermediate Statistical Modeling for Business

Electives (2 courses)

AC 701 Internship in Accounting Practice *(must be in an analytics role)*

AC 772 Principles of Fraud Investigation

AC 773 Fraud and Forensic Accounting

AC 793 Professional Accounting Research and Policy

CS 602 Data-Driven Development with Python

CS 603 Object-Oriented Application Development

CS 650 Data Management Architectures

CS 733 Artificial Intelligence Techniques and Applications

CS 753 Business Intelligence Methods and Technologies

IPM 723 Information Security, Controls and Ethics

IPM 740 Enterprise Systems Planning and Configuration

MA 707 Introduction to Machine Learning

For complete degree requirements and most up-to-date course options, visit **bentley.edu/graduate**.

bentley.edu/graduate/accounting-analytics

Office of Graduate Admission | applygrad@bentley.edu | 781-891-2108