Master of Science in Accounting Curriculum

The advent of big data, analytics, blockchain, and machine learning is creating exciting changes in the field of accounting. Bentley's new Master's in Accounting (MSA) builds upon our over one-hundred-year accounting legacy and infuses it with technology and analytics to give you the skills you need to thrive in a respected, in-demand profession.

Having started as the first program in Massachusetts to gain the prestigious separate accounting accreditation from AACSB International, we are proud to announce that our new STEM designated curriculum (https://www.bentley.edu/academics/graduate-programs/masters-accounting/curriculum/) is one of only a few programs to collaborate with KPMG's Data and Analytics Program, ensuring that what you learn is industry ready. You can count on it.

Course	Title	Credits
4 Core Courses Common to All Concentrations		
AC 611	Financial Reporting and Analysis	3
AC 730	Business Processes and Controls Assessment	3
AC 770	Data Analytics for Accountants	3
AC 793	Professional Judgment, Ethics and Decision Making	3
Students must choose one of the following concentrations		18

Advisory

Course	Title	Credits
AC 773	Fraud and Forensic Accounting	3
AC 799	Experimental Course in Acctg	3
Select one of the following		3
AC 741	Financial Statement Audit	
AC 742	Information Technology Audit	
AC 744	Internal Audit	
Choose three electives		9
AC 701	Internship in Accounting Practice	
AC 741	Financial Statement Audit	
AC 742	Information Technology Audit	
AC 744	Internal Audit	
AC 753	Tax Factors in Business Decisions	
AC 772	Principles of Fraud Investigation	
AC 781	International Dimensions of Accounting	
CS 605	Data Management and SQL for Analytics	
CS 607	Cybersecurity	
FI 631	Financial Modeling	
GR 604	Global Strategy	
IPM 723	Information Security, Controls and Ethics	
IPM 740	Enterprise Systems Planning and Configuration	
MG 638	Corporate Governance	
MG 704	Management Consulting Skills	

Analytics

Course	Title	Credits
AC 777	Accounting Analytics in Practice	3
CS 602	Data-Driven Development With Python	3
CS 605	Data Management and SQL for Analytics	3
IPM 652	Managing with Analytics	3
Choose one of the following		3
AC 741	Financial Statement Audit	
AC 742	Information Technology Audit	
AC 744	Internal Audit	
Choose one elective		3
AC 701	Internship in Accounting Practice	
AC 731	Financial Information Systems	
AC 741	Financial Statement Audit	
AC 742	Information Technology Audit	
AC 744	Internal Audit	
AC 799	Experimental Course in Acctg	
CS 650	Data Analytics Architectures with Big Data	
CS 733	Artificial Intelligence Techniques and Applications	
CS 753	Business Intelligence Methods and Technologies	
FI 631	Financial Modeling	
HF 730	Visualizing Information	
HF 760	Intelligent User Interfaces	
MA 705	Data Science	
MA 707	Introduction to Machine Learning	
ST 625	Quantitative Analysis for Business	
ST 635	Intermediate Statistical Modeling for Business	

Assurance

Course	Title	Credits
Select two of the following		6
AC 741	Financial Statement Audit	
AC 742	Information Technology Audit	
AC 744	Internal Audit	
Choose one of the following		3
AC 750	Federal Income Taxation	
AC 754	Accounting for Income Taxes	
Choose three electives		9
AC 612	Advanced Topics in Financial Reporting	
AC 621	Managerial Accounting	
AC 701	Internship in Accounting Practice	
AC 741	Financial Statement Audit	
AC 742	Information Technology Audit	
AC 744	Internal Audit	
AC 753	Tax Factors in Business Decisions	
AC 772	Principles of Fraud Investigation	
AC 773	Fraud and Forensic Accounting	
AC 781	International Dimensions of Accounting	
AC 799	Experimental Course in Acctg	
FI 631	Financial Modeling	
IPM 740	Enterprise Systems Planning and Configuration	
MG 638	Corporate Governance	

Corporate Financial Reporting

Course	Title	Credits
AC 612	Advanced Topics in Financial Reporting	3
AC 621	Managerial Accounting	3
Select one of the following		3
AC 750	Federal Income Taxation	
AC 754	Accounting for Income Taxes	
Select three electives		9
AC 701	Internship in Accounting Practice	
AC 731	Financial Information Systems	
AC 744	Internal Audit	
AC 781	International Dimensions of Accounting	
AC 799	Experimental Course in Acctg	
CS 607	Cybersecurity	
FI 625	Corporate Finance: Theory, Tools and Concepts	
FI 631	Financial Modeling	
IPM 723	Information Security, Controls and Ethics	
MG 638	Corporate Governance	

Information Systems

Course	Title	Credits
AC 742	Information Technology Audit	3
AC 731	Financial Information Systems	3
CS 605	Data Management and SQL for Analytics	3
IPM 740	Enterprise Systems Planning and Configuration	3
Choose two electives		6
AC 701	Internship in Accounting Practice	
AC 744	Internal Audit	
CS 602	Data-Driven Development With Python	
CS 607	Cybersecurity	
CS 650	Data Analytics Architectures with Big Data	
CS 733	Artificial Intelligence Techniques and Applications	
CS 753	Business Intelligence Methods and Technologies	
FI 631	Financial Modeling	
HF 760	Intelligent User Interfaces	
IPM 723	Information Security, Controls and Ethics	
MA 705	Data Science	
MG 651	Project Management	