

# MASTER OF SCIENCE IN FINANCE

The Master of Finance degree integrates advanced analytics with the theories and applications of finance. Much like today's workplace, the curriculum is infused with technology that gives graduates a competitive edge in the job market. The Bentley MSF has two paths. The first is a 10-course Finance path that can be completed in 9 to 15 months. The second is a STEM-designated 10-course Financial Analytics path that has a stronger mathematical and capital markets focus. This path can be completed in 12 to 15 months. Select from the tabs for a detailed description of both paths.

All coursework must be completed within five years.

## Master of Science in Finance Curriculum

Course	Title	Credits
<b>Foundation Requirements (up to 9 credits)</b>		
Students with the appropriate background may be waived from these courses.		
GR 521	Managerial Statistics	3
GR 522	Economic Environment of the Firm	3
GR 524	Accounting for Decision-Making	3
<b>Program Requirements (30 credits)</b>		
<b>Core Courses (15 credits)</b>		
FI 623	Investments	3
FI 625	Corporate Finance: Theory, Tools and Concepts	3
FI 631	Financial Modeling <sup>1</sup>	3
FI 751	International Financial Management <sup>2</sup>	3
ST 625	Quantitative Analysis for Business	3
<b>Electives (15 credits)</b>		
Select a minimum of four courses in Finance (FI) from the following list. The remaining fifth elective may be in Finance or any non-Finance elective at the 600 level or above.		15
FI 627	Corporate Finance: Applications and Advanced Topics	
FI 635	Fixed Income Valuation and Strategies	
FI 640	Equity Valuation	
FI 645	Derivatives	
FI 650	Quantitative Investment Management	
FI 685	Financial Strategy	
FI 730	Management of Financial Institutions	
FI 735	Mergers and Acquisitions	
FI 774	Computational Finance <sup>3</sup>	
FI 787	Large Investments and International Project Finance	
FI 701	Internship in Finance <sup>4</sup>	

1. Prerequisite, FI 625 or AC 612

2. Pre or co-requisite, FI 625

3. Prerequisites: GR 526 and FI 623. FI 645 is recommended as an additional prerequisite

4. Completion of two graduate finance courses is required

## Master of Science in Finance: Financial Analytics

Course	Title	Credits
<b>Foundation Requirements (up to 12 credits)</b>		
Students with the appropriate background may be waived from these courses.		
GR 521	Managerial Statistics	3
GR 522	Economic Environment of the Firm	3
GR 524	Accounting for Decision-Making	3
GR 526	Calculus	3
<b>Required Courses (24 credits)</b>		
CS 605	Data Management and SQL for Analytics	3
CS 655	Managing with Analytics	3
FI 623	Investments	3
FI 625	Corporate Finance: Theory, Tools and Concepts	3
FI 631	Financial Modeling	3
FI 645	Derivatives	3
FI 774	Computational Finance	3
ST 625	Quantitative Analysis for Business	3
<b>Finance Elective (3 credits)</b>		
Select one FI course at the 600-level or higher.		
<b>Analytics Elective (3 credits)</b>		
Select one CS, MA, or ST course at the 600-level or higher		