

Math Financial Track Requirements

Part A: Required Prerequisites

Math 1151	Calculus I	5
Math 1152	Calculus II	5
Math 1295	Introductory Seminar	1
AcctMIS 2000	Foundations of Accounting	3
Econ 2001	Principles of Microeconomics	3
Econ 2002	Principles of Macroeconomics	3
CSE 2111	Modeling and Problem Solving with Spreadsheets and Databases	3

Choose one of the following:

CSE 1222	Introduction to Computer Programming in C++ for Engineers and Scientists	3
CSE 1223	Introduction to Computer Programming in Java	3

Part B: Major Program (Minimum grade of C- and GPA of 2.0)

Core Requirements

Math 2153	Calculus III	4
Math 2568	Linear Algebra	3
Math 3345	Foundations of Higher Mathematics	3
Math 4530 or Stat 4201	Probability or Introduction to Mathematical Statistics I	3-4
Stat 4202	Introduction to Mathematical Statistics II	4

Required Courses for Math Track

Math 2255	Differential Equations and Their Applications	3
Math 3589	Introduction to Financial Mathematics	3
Math 3607	Beginning Scientific Computing	3
Math 3618	Theory of Interest	3
Math 5632	Financial Economics for Actuaries	3

Choose one of the following:

Math 4557	Partial Differential Equations	3
Math 4512	Partial Differential Equations for Science and Engineering	3
Math 4547	Introductory Analysis I	3

Choose one of the following:

BusFin 3120	Foundations of Finance	3
BusFin 3220	Business Finance	3

	Total Hours	38-39
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Math Financial Track Sample Schedule

	Autumn		Spring		Major Hours
Year 1	Math 1151	5	Math 1152	5	0
	CSE 2111	3	Math 1295	1	
Econ 2001 or 2002	3	Econ 2001 or 2002	3		
ARTSSCI 1100.01	1	English 1110	3		
GE	3	CSE 1222 or 1223	3		
		15		15	
Year 2	Math 2153	4	Math 3345	3	13-14
	Math 3618	3	Math 4530 or Stat 4201	3-4	
	AcctMIS 2000	3	GE	3	
	GE	3	GE	3	
	GE	3			
		16		12-13	
Year 3	Math 2255	3	Stat 4202	4	16
	Math 2568	3	Math 4557	3	
	Math 3589	3	GE	3	
	GE	3	GE	3	
	GE	3			
		15		13	
Year 4	Math 3607	3	Math 5632	3	9
	GE	3	BusFin 3120 or 3220	3	
	GE	3	GE	3	
	GE	3			
		12		9	

Additional hours may be necessary depending on course selection.