

Math Financial Track Requirements

Part A: Required Prerequisites

Math 1151	Calculus I	5
Math 1152	Calculus II	5
Math 1295	Introductory Seminar	1
Econ 2001.01	Principles of Microeconomics	3
Econ 2002.01	Principles of Macroeconomics	3
CSE 2111	Modeling and Problem Solving with Spreadsheets and Databases	3

Choose **ONE** of the following accounting options:

ACCTMIS 2000	Foundations of Accounting	3
ACCTMIS 2200 & 2300	Introduction to Accounting I & II	6

Choose **ONE** of the following:

CSE 1222	Intro to Computer Programming in C++ for Engineers and Scientists	3
CSE 1223	Intro to Computer Programming in Java	3
CSE 1224	Intro to Computer Programming in Python	3

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

Core Requirements

Math 2153 or 2182H	Calculus III or Honors Calculus II		4-5
Math 2568 or 2568H	Linear Algebra	Prereq: Math 2153	3
Math 3345 or 3345H	Foundations of Higher Mathematics	Prereq: Math 2153	3
Math 4530 or Stat 4201	Probability or Intro to Math Stat I	Prereq: Math 2153	3-4
Stat 4202	Intro to Mathematical Statistics II	Prereq: Math 4530 or Stats 4201	4

Required Courses for Math Track

Math 2255	Differential Equations	Prereq: Math 2153	3
Math 3589	Intro to Financial Mathematics	Prereq: Math 3345 & (Math 4530 or Stat 4201)	3
Math 3607	Beginning Scientific Computing	Prereq: Math 2255 & 2568	3
Math 3618	Theory of Interest	Prereq: Math 1152	3
Math 5632	Financial Economics for Actuaries	Prereq: Math 3618 & (Math 4530 or Stat 4201)	3

Choose **ONE** of the following:

Math 4557	Partial Differential Equations	Prereq: Math 2255	3
Math 4512	Partial Differential Equations for Sci & Eng	Prereq: Math 2153	3
Math 4547	Introductory Analysis I	Prereq: Math 3345	3

Choose **ONE** of the following:

BusFin 3120	Foundations of Finance	Prereq: AcctMIS 2000	3
BusFin 3220	Business Finance	Prereq: AcctMIS 2200 & 2300	3
Total Hours			38-40

Honors Degree: Students completing an honors degree must complete at least 5 honors eligible courses selected in consultation with a faculty advisor. At most 2 courses can count from (2182H, 2568H, 3345H) and at least 3 must be from a list of approved 5000 level courses.



Math Financial Track Sample Schedule

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

Additional hours may be necessary depending on course selection.