



**Mathematics Major:**  
**Actuarial and Financial Mathematics**

Total Credits: 42

Subj/Course #	Title	Prerequisites	Term	✓	Credits	Resid
<b>REQUIRED COURSES (27 CREDITS)</b>						
						<b>(O/R)</b>
<b>MAT 1412</b>	Calculus 1	placement exam			4	
<b>MAT 1413</b>	Calculus 2	MAT 1412			4	
<b>MAT 1510</b>	Multivariable Calculus	MAT 1413			4	
<b>MAT 2105</b>	Linear Algebra	MAT 1412			3	
<b>MAT 2461</b>	Probability Theory	MAT 1510 or coreq			3	
<b>MAT 2462</b>	Mathematical Statistics	MAT 2461			3	
<b>MAT 2601</b>	Ordinary Differential Equations	MAT 1413			3	
<b>MAT 2901</b>	Mathematics of Finance				3	
<b>MATH ELECTIVES (SELECT 4 OF THE FOLLOWING, 12 CREDITS)</b>						
<b>ACC 1001</b>	Accounting Principles 1	coreq MAT 1412			3	
<b>ACC 1002</b>	Accounting Principles 2	ACC 1001			3	
<b>ECO 1010</b>	Principles of Economics				3	
<b>ECO 1101</b>	Microeconomic Theory	MAT 1412, ECO 1010			3	
<b>ECO 1201</b>	Intermediate Macroeconomics	MAT 1412, ECO 1010			3	
<b>ECO 1421</b>	Econometrics	IDS 1131, ECO 1010			3	
<b>ECO 2601</b>	Economic Development	ECO 1101			3	
<b>FIN 1001</b>	Principles of Finance	ACC 1001, IDS 1010			3	
<b>IDS 2020</b>	Data Visualizations	MAT 1412, IDS 1015			3	
<b>IDS 2030</b>	Business Analytics & Programmin	coreq IDS 1020			3	
<b>IDS 2160</b>	Decision Models	FIN 1001, IDS 1020			3	
<b>IDS 2550</b>	Business Intelligence and Consumer	IDS 2030			3	
<b>IDS 3000</b>	Business Intelligence Capstone	IDS 2460, IDS 2550			3	
<b>CORRELATE (1 COURSE, 3 CREDITS)</b>						
<i>Select one course from the following areas: ECO 1000-4999, MAT 1000-4999, COM 1000-4999, IDS 1500-4999</i>						
<i>Recommended: IDS 1556, 2020, 2030, 2460, 2550, 3800</i>						
<b>CORR #1</b>					3	

- Notes:
1. 60% of this major must be taken at Yeshiva College
  2. Major/Minor courses require a grade of a "C-" or better to fulfill its requirement