



**Mathematical Major; Actuarial and Financial Mathematics** Total Credits: 42

REQUIRED COURSES (27 CREDITS)		Term	Credits	Resid
Subj/Course : Title				(O or R)
<b>MAT 1412</b>	Calculus 1		4	
<b>MAT 1413</b>	Calculus 2		4	
<b>MAT 1510</b>	Multivariable Calculus		4	
<b>MAT 2105</b>	Linear Algebra		3	
<b>MAT 2461</b>	Probability Theory		3	
<b>MAT 2462</b>	Mathematical Statistics		3	
<b>MAT 2601</b>	Differential Equations		3	
<b>MAT 2901</b>	Mathematics of Finance		3	
<b>MAT ELECTIVES (SELECT 4 OF THE FOLLOWING, 12 CREDITS)</b>				
<b>ACC 1001</b>	Accounting Principals 1		3	
<b>ACC 1002</b>	Accounting Principals 2		3	
<b>ECO 1010</b>	Principals of Economics		3	
<b>ECO 1101</b>	Microeconomic Theory		3	
<b>ECO 1201</b>	Intermediate Macroeconomics		3	
<b>ECO 1421</b>	Econometrics		3	
<b>ECO 2601</b>	Economic Development		3	
<b>FIN 1001</b>	Principals of Finance		3	
<b>IDS 2020</b>	Data Visualizations		3	
<b>IDS 2030</b>	Business Analytics & Programming		3	
<b>IDS 2160</b>	Decision Models		3	
<b>IDS 2550</b>	Business Intelligence and Consumer Insight		3	
<b>IDS 3000</b>	Business Intelligence Capstone		3	
<b>CORRELATE (1 COURSE, 3 CREDITS)</b>				
Select one course from the following areas: ECO 1000-4999, MAT 1000-4999, COM 1000-4999, IDS 1000-4999 Recommended: IDS 1400, 1556, 2020, 2030, 2460, 2550, 3800				
<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  
 Updated July 2024