



Mathematical Major:
Actuarial and Financial Mathematics

Credits: 42

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

- Notes:
- 60% of this major must be taken at Yeshiva College
 - Major/Minor courses require a grade of a "C-" or better to fulfill its requirement
- Updated July 2024