



Mathematics Major: *Pure & Applied Mathematics*

Total Credits: 42

Subj/Course #	Title	Prerequisite	Term Completed	✓	Credits	Resid
REQUIRED COURSES (27 CREDITS)						(O/R)
MAT 1412	Calculus 1	placement exam			4	
MAT 1413	Calculus 2	MAT 1412			4	
MAT 1504	Discrete Mathematics & Applied Applications				3	
MAT 1510	Multivariable Calculus	MAT 1413			4	
MAT 1520	Advanced Calculus 1	MAT 1510			3	
MAT 2105	Linear Algebra	MAT 1412			3	
MAT 2461	Probability Theory	MAT 1510			3	
MAT 2601	Ordinary Differential Equations	MAT 1413			3	
ELECTIVES (SELECT 4 OF THE FOLLOWING, 12 CREDITS)						
MAT 1521	Advanced Calculus 2	MAT 1520			3	
MAT 1540	Functions of a Complex Variable	MAT 1510, MAT 2601			3	
MAT 2170	Topology	MAT 1510			3	
MAT 2215	Modern Algebra	MAT 2105			3	
MAT 2462	Mathematical Statistics	MAT 2461			3	
MAT 2611	Partial Differential Equations	MAT 1510, MAT 2601			3	
CORRELATE (1 COURSES, 3 CREDITS)						
Select one course from the following areas: MAT 1000-4999, COM 1000-4999, IDS 1500-4999						
Recommended IDS: IDS 1556, IDS 2020, IDS 2030, IDS 2460, IDS 2550, IDS 3800						
CORR #1					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