Mathematics Major: *Computational Mathematics*

Total Credits: 42-45

Subj/Course #	Title	Term		Credits	Resid
REQUIRED COURSES (27 CREDITS)					(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 2651	Numerical Methods			3	

Subj/Course #	Title	Term		Credits	Resid
ELECTIVES (SELECT 4 OF THE FOLLOWING, 13-15 CREDITS)					
COM 1300	Introduction to Computer Science			4	
COM 1310/ MAT 1504	Math for Computer Science/ Discrete Structures			3-4	
COM 1320	Data Structures			4	
COM 2545	Algorithms			3	
COM 3920	Machine Learning			3	
COM 3921	Applied Machine Learning			3	

Subj/Course #	Title	Term		Credits	Resid
CORRELATE (1 COURSE, 3 CREDITS)					
Select one course from the following areas: MAT 1000-4999, COM 1000-4999, IDS 1000-4999					
Recommended: IDS 1400, 1556, 2020, 2030, 2460, 2550, 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