



Mathematical Major; Computational Science

Total

REQUIRED COURSES (27 CREDITS)		Term	Credits
Subj/Course #	Title		
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	Differential Equations		3
MAT 2651	Numerical Analysis		3
MAT ELECTIVES (SELECT 4 OF THE FOLLOWING, 12-15 CREDITS)			
COM 1300	Introduction to Computer Science		4
COM 1310/1510	Math for Computer Science/ Discrete Structures		4
COM 1320	Data Structures		4
COM 2545	Algorithms		3
COM 3920	Machine Learning		3
COM 3921	Applied Machine Learning		3
CORRELATE (1 COURSE, 3 CREDITS)			
<i>Select one course from the following areas: 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:

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

elfer Hall 5th Floor
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(O or R)

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