

MATHEMATICS MAJOR, BA

Campus: NYC, Westchester

In addition to the courses listed below, students are required to complete two courses with the Anti-Racism Education attribute and two courses with the Writing Enhanced attribute attached. These courses may be taken during any semester of their education. See advisor for more information.

Course	Title	Credits
First Year		
Fall		
ENG 110	Composition	3
UNV 101	First-Year Seminar: Introduction to University Community	1
MAT 131	Calculus I	4
Take any two remaining Area of Knowledge, Learning Community (LC) courses		6
Take any one remaining Area of Knowledge course		3
Credits		17
Spring		
MAT 132	Calculus II	4
ENG 120	Critical Writing	4
MAT 234	Introduction to Probability and Statistical Analysis (Analysis of Human, Social, and Natural Phenomena (AOK5))	4
One Lab science course		3
Credits		15
Second Year		
Fall		
MAT 236	Multivariable Calculus	4
MAT 233 or MAT 137	Mathematical Structures and Models or Introduction to Discrete Mathematics	4
First Second Language Course. See Advisor for guidelines		3
One Civic Engagement (CE) course		3
Take any one remaining Area of Knowledge course		3
Credits		17
Spring		
Second Language Course, if applicable		3
ENG 201	Writing in the Disciplines	3
MAT 253	Differential Equations	4
Take any one remaining Area of Knowledge course		3
Take any one remaining Area of Knowledge course		3
Credits		16
Third Year		
Fall		
CS 121 or CIS 101	Introduction to Computer Science (Preferred) or Introduction to Computing	4
MAT 238	Linear Algebra	4
Take any one remaining Area of Knowledge course		3
Open Elective Course		4
Credits		15
Spring		
MAT 301 or MAT 315	Algebraic Structures or Introduction to Real and Complex Analysis	3-4
COM 200	Public Speaking	3
Open Elective Course		3

Open Elective Course		3
Credits		12-13
Fourth Year		
Fall		
MAT 490 or MAT 400	Mathematics Seminar Capstone Experience I or Mathematics: Connections, Communications, Research	1-3
Open Elective Course		3
Open Elective Course		3
Open Elective Course		3
Open Elective Course		4
Credits		14-16
Spring		
MAT 491	Mathematics Seminar Capstone Experience II (Only if student took MAT 490 and not MAT 400)	2
MAT 301 or MAT 315	Algebraic Structures or Introduction to Real and Complex Analysis	3-4
Open Elective Course		3
Open Elective Course		3
Open Elective Course		3
Credits		14-15
Total Credits		120-124