

Mathematics Major

B.S. in Mathematics - Curriculum Map 2019-2020 Catalog

Course	Cr.Comp	Course	Cr.Comp
FRESHMAN			
Fall		Spring	
General Education Lab Science (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals/#goal4naturalsciencetext)	4	EN 102 Composition and Literature II	3
EN 101 Composition and Literature I	3	MA 122 Calculus II (General Education Math) ^{c1}	4
MA 121 Calculus I (General Education Math) ^{c1}	4	MA 241 Mathematical Computation and Modeling	3
General Education Social Science (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals/#goal5text)	3	General Education Lab Science (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals/#goal4naturalsciencetext)	4
Fall Semester Total Cr.:	14	Spring Semester Total Cr.:	14
SOPHOMORE			
Fall		Spring	
EN 201 World Literature I (General Education Literature)	3	EN 202 World Literature II	3
MA 223 Calculus III ^{c1}	4	MA 224 Differential Equations ^{c1}	4
MA 306 Discrete Mathematics ^{c2}	3	MA 310 Linear Algebra ^{c2}	3
PS 211 University Physics I	4	PS 212 University Physics II	4
Free Elective	3	General Education Arts & Humanities/ History (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals/#goal3humanexpressioninliteraturehistoryartshumanitiestext)	3
Fall Semester Total Cr.:	17	Spring Semester Total Cr.:	17
JUNIOR			
Fall		Spring	
General Education Arts & Humanities/ History (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals/#goal3humanexpressioninliteraturehistoryartshumanitiestext)	3	MA Elective (300-400 level) ^{c2}	3
General Education Leadership (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals/#goal8leadershiptext)	1-3	MA Elective (300-400 level) ^{c2}	3
MA 250 Communication in Mathematics	1	MA 304 Advanced Calculus II ² or 312 Statistical Methodology II	3
MA 303 Advanced Calculus I ^{1, c2}	3	PH 303 Survey of Ethics (General Education Ethics) or 350 Medical Ethics	3
MA 311 Statistical Methodology ^{c2}	3	Free Elective ^{sa}	3
Free Elective ^{sa}	3		
Free Elective ^{sa}	3		
Fall Semester Total Cr.:	17-19	Spring Semester Total Cr.:	15
SENIOR			
Fall		Spring	
MA 309 Algebraic Structures ^{1, c2} or 303 Advanced Calculus I	3	MA Elective (300-400 level) ^{c2}	3
MA 411 Senior Seminars (General Education Capstone) ^{c2}	3	MA Elective (300-400 level) ^{c2}	3
Free Elective ^{sa}	3	Free Elective ^{sa}	3

Free Elective ^{sa}	3	Free Elective ^{sa}	3
Free Elective ^{sa}	3	Free Elective ^{sa}	3
Fall Semester Total Cr.:	15	Spring Semester Total Cr.:	15
TOTAL CREDITS FOR THIS MAJOR: 124-126			

- 1 MA 303 and MA 309 alternate as fall semester courses; both courses are required. For years these courses are offered, see Course Descriptions.
- 2 MA 304 and MA 312 alternate as spring semester courses; one of the two courses is required.
- c1 Grade of C or higher required in 3 of the 4 courses.
- c2 Grade of C or higher in at least 6 Math courses at the 300/400 level (other than MA 360)
- SA 15 credits of Free Electives may be taken during a Study Abroad semester.