

Mathematics Major with Actuarial Concentration

B.S. in Mathematics-Actuarial Science Concentration - Curriculum Map 2019-2020 Catalog

Print as PDF Curriculum Map (http://catalog.norwich.edu/residentialprogramscatalog/mthact/Math_ACC.pdf)

Course	Cr. Comp.	Course	Cr. Comp.
FRESHMAN			
Fall		Spring	
EN 101 Composition and Literature I	3	EN 102 Composition and Literature II	3
General Education History (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals/#goal3humanexpressioninliteraturehistoryartsh)	3	General Education Lab Science (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals/#goal4naturalsciencetext)	4
General Education Lab Science (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals/#goal4naturalsciencetext)	4	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
Fall Semester Total Cr.:	14	Spring Semester Total Cr.:	14
SOPHOMORE			
Fall		Spring	
EC 201 Principles of Economics (Macro) (General Education Social Science) b,c	3	EC 202 Principles of Economics (Micro) b,c	3
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
Fall Semester Total Cr.:	17	Spring Semester Total Cr.:	17
JUNIOR			
Fall		Spring	
General Education Arts & Humanities (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals/#goal3humanexpressioninliteraturehistoryartshumanitiestext)	3	MA Elective (300-400 level)	3
General Education Leadership (http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals/#goal8leadershiptext)	1-3	MA 312 Statistical Methodology II b,c	3
MA Elective	3	MA 419 Internship in Mathematics (or any MA course) 3	3
MA 250 Communication in Mathematics	1	PH 303 Survey of Ethics (General Education Ethics) or 350 Medical Ethics	3
MA 303 Advanced Calculus I or 309 Algebraic Structures 2, c2	3	Free Elective	3
MA 311 Statistical Methodology b,c, c2	3		
Free Elective	3		
Fall Semester Total Cr.:	17-19	Spring Semester Total Cr.:	15
SENIOR			
Fall		Spring	
MA 309 Algebraic Structures or 303 Advanced Calculus I 2, c2	3	MA 321 Financial Mathematics (or any MA course) c	3
MA 411 Senior Seminars (General Education Capstone) 3, c2	3	MA Elective (300-400 level)	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3

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

- 2 MA 303 and MA 309 alternate as fall semester courses; both courses are required. For years these courses are offered, see Course Descriptions.
- 3 Students must take either MA 419 or MA 411 with an approved project on an actuarial science topic.
- b Grade of B- or higher to meet the Society of Actuaries Validation by Educational Experience requirement.
- c Grade of C or higher 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)