

Mathematics Major with Actuarial Concentration

Print PDF Curriculum Map (http://catalog.norwich.edu/residentialprogramscatalog/mthact/mthact_1532369702669.pdf)

B.S. in Mathematics-Actuarial Science Concentration - Curriculum Map 2018-2019 Catalog

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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/residentialprogramscatalog/generaleducationgoals) ¹	3	General Education Lab Science (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	4
General Education Lab Science (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	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/residentialprogramscatalog/generaleducationgoals)	3	MA Elective (300-400 level)	3
General Education Leadership (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	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 ^{2, c2} or 309 Algebraic Structures	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 ^{2, c2} or 303 Advanced Calculus I	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				

- 1 This may be any history course except HI 209.
- 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)