

Mathematics Major with Education Concentration

B.S. in Mathematics-Education Concentration - Curriculum Map 2016-2017 Catalog

Print PDF Curriculum Map (http://catalog.norwich.edu/residentialprogramscatalog/mthed/mthed_1460750410105.pdf)

Freshman		
Fall	Cr. Spring	Cr.
ED 104 Foundations of Education	3 EN 102 Composition and Literature II	3
EN 101 Composition and Literature I	3 General Education Lab Science	4
General Education Lab Science	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
PY 211 Introduction to Psychology	3 PY 220 Developmental Psychology	3
Semester Total Credits	17 Semester Total Credits	17
Sophomore		
Fall	Cr. Spring	Cr.
ED 234 Learning and Teaching Strategies	4 EN 202 World Literature II	3
EN 201 World Literature I (General Education Literature)	3 MA 224 Differential Equations ^{c1}	4
MA 223 Calculus III ^{c2}	4 MA 310 Linear Algebra ^{c2}	3
MA 306 Discrete Mathematics ^{c2}	3 PS 212 University Physics II	4
PS 211 University Physics I	4 ED 315 Special Needs Child	3
Semester Total Credits	18 Semester Total Credits	17
Junior		
Fall	Cr. Spring	Cr.
General Education History ¹	3 ED 363 Reading and Writing in the Content Area	4
MA 303 Advanced Calculus I or 309 Algebraic Structures ^{2, c2}	3 General Education Arts & Humanities	3
MA 311 Statistical Methodology ^{c2}	3 Mathematics Elective	3
PY 324 Adolescent Psychology	3-4 Mathematics Elective	3
PY 352 Learning and Memory	4 MA 304 Advanced Calculus II or 312 Statistical Methodology II ³	3
MA 361 Teaching Mathematics at the Secondary Level (OR Mathematics Elective)	3 MA 250 Communication in Mathematics	1
Semester Total Credits	19-20 Semester Total Credits	17
Senior		
Fall	Cr. Spring	Cr.
ED 368 Curriculum & Methods in Secondary Subjects	4 ED 425 Student Teaching	12
General Education Ethics	3	
MA 309 Algebraic Structures or 303 Advanced Calculus I ^{2, c2}	3	
MA 411 Senior Seminars (General Education Capstone) ^{c2}	3	
MA 361 Teaching Mathematics at the Secondary Level (OR Mathematics Elective)	3	
Semester Total Credits	16 Semester Total Credits	12
Total Credits For This Major: 133-134		

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 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).