

MATHEMATICS, B.A. - EDUCATION WITH TEACHER CERTIFICATION, GRADES 7-12

Code	Title	Credits
General Education Requirement		
VSJ 100	Vincentian Social Justice	3
Foundation Courses (http://catalog.niagara.edu/undergraduate/curriculum/foundation-courses/)		27
Distribution Courses (http://catalog.niagara.edu/undergraduate/curriculum/general-education-distribution-courses/)		30
Professional Requirement		
Select 27 credits of Professional Requirement courses		27
Major Requirement		
MAT 111 & MAT 112 & MAT 221	Calculus I and Calculus II and Calculus III	12
MAT 227	Foundat of Math	3
MAT 228	Linear Algebra	4
MAT 320	Math Modeling	3
MAT 333	Algebra Structures I	3
MAT 335	Prob and Stat I	3
MAT 443	Euclidean Geometry	3
MAT 451	History of Math	3
MAT 499	Senior Seminar	3
Select one of the following: ²		3
CIS 160	Struct Bus Progrm I	
CIS 265	Visual Programming I	
New York state Certification, Grades 7-12		
A college-level foreign language other than English is required for New York state certification, grades 7-12.		
Total Credits		127

¹ Computer elective must be taken in the distribution component.

² MAT 111 must be taken in the distribution component.