

MATHEMATICS, B.A. - EDUCATION WITH TEACHER CERTIFICATION, ELEMENTARY GRADES

Code	Title	Credits
General Education Requirement (http://catalog.niagara.edu/undergraduate/curriculum/foundation-courses/)		
Professional Requirement		
Select 33 credits of Professional Requirement courses		33
Major Requirement		
MAT 111 & MAT 112	Calculus I and Calculus II	8
MAT 102	Intro Statistics ²	3
MAT 251	Math for Elem Teach	3
MAT 227	Foundat of Math	3
MAT 228	Linear Algebra	4
MAT 320	Math Modeling	3
MAT 443	Euclidean Geometry	3
MAT 451	History of Math	3
Mathematics elective ³		3
MAT 499	Senior Seminar	3
CIS 198	Intro Computers/Tchr ²	3
New York State Certification in Elementary Grades		
A college-level course (three credit hours) in English, mathematics, science, social studies and a language other than English is required for New York state certification in elementary grades.		
Total Credits		72

¹ MAT 102 Intro Statistics, and CIS 198 Intro Computers/Tchr, must be taken in the distribution component.

² MAT 222 Differential Equat or 300 or 400 levels only