

ENDORSEMENT NO. 143
Mathematics
GRADE LEVEL: 5-12

(Form revision 03/2010)

Institution Name: Cornell College

Date Submitted: 1/11/11

New or Revised (If this is a revision, also submit a letter explaining the changes made)

Undergraduate or Graduate

Professional Education Core: Refer to the approved Professional Education Core for this Institution

STATE REQUIREMENTS Professional Core	INSTITUTIONAL REQUIREMENTS Course(s) for Demonstrating Competencies
Methods of Teaching with an emphasis in Mathematics	EDU 324 Secondary Mathematics, Science and Social Studies EDU 328 Reading in the Content Area
Student Teaching at the level	EDU 410, 420, 430, 440 Student Teaching

Content: Completion of 24 semester hours in mathematics to include a linear algebra or an abstract (modern) algebra course, a geometry course, a two course sequence in calculus, a computer programming course, a probability and statistics course, and coursework in discrete mathematics.

STATE REQUIREMENTS Content Categories	INSTITUTIONAL REQUIREMENTS Course Numbers and Titles	Credit Hrs.
Linear or an Abstract (Modern) Algebra	MAT 221 Linear Algebra OR MAT 327 Modern Algebra I	4
Geometry	MAT 231 Fundamentals of Geometries	4
2 Course Sequence in Calculus	MAT 121 Calculus of a Single Variable AND MAT 122 Calculus of Several Variables AND MAT 236 Differential Equations	12
Computer Programming	CSC 140 Foundations of Computer Science	4
Probability and Statistics	STA 201 Statistical Methods OR STA 347 Mathematical Statistics I AND STA 348 Mathematical Statistics II	8/4
Discrete Mathematics	CSC 151 Discrete Mathematics for Computer Science	4
Other	MAT 301 Intro to Proof: Number Theory	4

	AND one of the following sequences: MAT 327 Modern Algebra I ANd MAT 328 OR	8
	MAT 337 Analysis I and MAT 338 OR MAT 347 AND 348	8
	AND MAT 327 OR MAT337 if not taken as part of a sequence listed above. '	4/0
	AND one additional 300 level course if four 300 level courses have not already been taken from the above.	4/0
	(A total to 17 MAT/STA courses with 3 at the 200 level and 4 at the 300 level.)	
TOTAL Credit Hours		48/44/40