

MATE 2016

7/1/2016

## MATHEMATICS GRADES 8-12 MAJOR

### MAJOR REQUIREMENTS (73)

__ 4	CSC	121	Data Science I
__ 0	CSC	121L	Data Science I Lab
__ 4	MAT	181	Calculus I
__ 0	MAT	181L	Calculus I Lab
__ 4	MAT	182	Calculus II
__ 0	MAT	182L	Calculus II Lab
__ 4	MAT	232	Probability & Statistics
__ 3	MAT	241	Logic & Sets
__ 3	MAT	271	Linear Algebra
__ 4	MAT	362	Modern Geometry
__ 4	MAT	371	Algebraic Structures
__ 3	MAT	462	Topics in Sec Math

Choose one:

__ 3	MAT	252	Diff Equations/Modeling
	MAT	461	Topics in Mid Math

Complete Education requirements:

__ 2	ED	200	Intro to Education
__ 1	ED	201	Struct Inquiry Clinical
__ 2	ED	220	Tech for Education
__ 2	ED	230	Human Growth/Development
__ 1	ED	301	Guided Inquiry Clinical
__ 3	ED	320	Exceptional Learner
__ 3	ED	385	Read/Writ Across Curriculum
__ 1	ED	401	Open Inquiry Clinical
__ 3	ED	405	Learning/Perform Assess
__ 2	ED	410	Classroom Management
__ 3	ED	420	Secondary/P-12 Methods
__ 2	ED	428	Interventions/Differentiation
__ 12	ED	499	Student Teaching

### MAJOR plus FOUNDATIONS requirement of (40)

(3 hours Math satisfied by required major course; Foreign Language not required for MATE majors.)

### Plus electives needed for the 124 hour degree requirement (11)