

Name _____

PROGRESS TOWARD COMPLETION OF MAJOR

B.A. with concentration in Secondary Teaching ('06-'08 catalog)

This B.A. program satisfies state requirements for subject matter preparations in mathematics for the Single Subject Teaching Credential.

Required Courses

Core:	Met	Do
Math 161 – Differential and Integral Calculus I (3 units in GE)	4	_____
Math 211 – Differential and Integral Calculus II	4	_____
Math 220 – Higher Mathematics: An Introduction	3	_____
Math 261 – Multivariable Calculus	4	_____
Math 340 – Real Analysis I	4	_____

Concentration:

Math 222 – Elementary Applied Linear Algebra (3 units) or		
Math 322 – Linear Algebra	3	_____
Math 250 – Probability and Statistics	3	_____
Math 306 – Number Theory.....	3	_____
Math 308 – College Geometry.....	3	_____
Math 310 – History of Mathematics.....	3	_____
Math 316 – Graph Theory and Combinatorics (3 units) or		
Math 416 – Graph Theory and Combinatorics	3	_____
Math 320 – Modern Algebra I	4	_____
Math 345 – Probability Theory (3 units) or		
Math 470 – Mathematical Modeling.....	3	_____
Math 390 – Fieldwork and Seminar: Secondary Mathematics Teaching.....	2	_____
Math 490 – Capstone Seminar: Secondary Mathematics Teaching.....	1	_____

Supporting Courses:

Math 180 – Computing for Math/Science (2 units) or		
CS 115 – Programming I (4 units/3 units in GE)	2-4	_____
Phys 114 – Intro to Physics (3 units in GE).....	4	_____

Total units in secondary teaching program 53-55

NOTES: Even though it is possible to complete this major with only 26-29 upper division units, **ALL** students are required to complete a **minimum of 40 upper division units**, including GE, the major, and electives, for graduation.

Students considering graduate school in mathematics are advised to choose Math 322 (Linear Algebra). Math 241 is highly recommended.