Secondary Education - Mathematics, B.S.

College of Education

General Education Curriculum Requirements (minimum 40 credit hours)

Writing and Cultural Literacy

Eng 101 College Composition . . . . . .3 _____
Eng 201 Advanced College Composition . . . . . .3 _____

Multicultural Experience

World or indigenous or American Sign Language course 3 _____
Diversity and global issues course . . . . . .3 _____

Quantitative Decision-making

Mat 101, 131, 201 or higher level math course . . . . .3 _____

Physical and Life Sciences

Complete sections A and B

A. Select two courses of scientific literacy from the following: Bio, Chy, Env, Ecy, Gey, Phy, Sci. At least one must be a 4-credit lab science course.

Lab science course . . . . . .4 _____
Lab or non-lab science course . . . . . .3-4 _____

B. Select one of the following:

Hpr 101 Lifelong Wellness, Bio 300 Human Nutrition, or Rec 234 Outdoor Pursuits I . . . . . .3 _____

Social Sciences

Complete sections A and B

A. Select any two of the following historical analysis courses: Hty 115, Hty 116, Hty 161, Hty 162

OR - Select a 100-level history course and a subsequent 300- or 400-level history course for a total of six credits

History course . . . . . .3 _____
History course . . . . . .3 _____

B. Select two of the following social science courses for a total of six credits: Ant 100, Eco 100, Geo 168, Pos 101, Pos 211, Psy 100, Soc 100

Social Science course . . . . . .3 _____
Social Science course . . . . . .3 _____

Humanities and Fine Arts

Complete sections A and B

A. Select one of the following courses in literary writing, analysis, or philosophy:

Eng 151, Eng 211, Phi 151, Phi 152, Hon 300 . . . . .3 _____

B. Select one of the following courses in visual or performing arts:

Art 101, Art 102, Art 103, Art 107 . . . . . .3 _____

Important additional GEC requirements

FYS 100 First Year Seminar . . . . . .1 _____
Writing Intensive Course . . . . . .3 _____
Technology Intensive Course . . . . . .3 _____

PROFESSIONAL EDUCATION – 39 CREDIT HOURS

Edu 150 Exploring Education in Contemporary America	3
Edu 200 The Learner and the Learning Process	3
Edu 261 Educational Computing	3
Edu 310 The Teaching Process	3
Edu 353 Reading and Writing in the Content Area	3
Edu 368 Teaching Mathematics in the Secondary School	3
Edu 387 Teaching Students with Special Needs	3
Edu 395 Internship in Teacher Education	3
Edu 495 Student Teaching	15

MATHEMATICS MAJOR REQUIREMENTS 40-41 CREDIT HOURS

Cos 105 Computer Programming *	3
Mat 131 Calculus I *	4
Mat 132 Calculus II	4
Mat 201 Probability and Statistics I	3
Mat 202 Probability and Statistics II	3
Mat 251 Foundations of Mathematics	3
Mat 274 Elementary Linear Algebra	3
Mat 312 Geometric Structures *	4
Select FOUR of the following for a minimum of 12 Credit Hours:	
Mat 231 Calculus III	4
Mat 233 Differential Equations	4
Mat 321 Modern Algebra I	3
Mat 335 Introduction to Complex Analysis	3
Mat 435 Real Analysis	3

* Course also meets GEC requirement

SELECT GENERAL ELECTIVES TO BRING TOTAL EARNED HOURS TO 128

Total credits required for degree: 128
Minimum cumulative GPA for graduation: 2.50
Cumulative GPA in major and concentration: 2.50
Cumulative GPA professional education sequence: 2.50
Minimum cumulative GPA for student teaching: 2.50