

MATHEMATICS
B.S. in Mathematics (Secondary Certification Option)

Course	Number		Credit Hours
I. CORE CURRICULUM (62 semester hours)			
AREA A Essential Skills (9)			
ENGL	1101	English Composition I	3
ENGL	1102	English Composition II	3
MATH	1113	Precalculus Mathematics	3
AREA B Institutional Options (4 semester hours)			
COMM	1110	Fundamentals of Speech	3
Elective		BIOL 1001, COMM 1120, ENGL 1105, 1110, HIST 1050, 1051, HUMN 1000, 1100, PHED 1030, SOCI 1000	1
AREA C Humanities/Fine Arts (6 semester hours)			
Electives		ENGL 1201, 2111, 2112, 2120, 2121, 2130, 2131; HUMN 1201, MUSC 1100, or THEA 1100	6
AREA D Science/Mathematics/Technology (12 semester hours)			
MATH	2253	Calculus & Analytical Geometry I	4
Laboratory Science Sequence		BIOL 1107K and 1108K, or CHEM 1211 and 1212, or PHYS 1111K and 1112K, or PHYS 2211K and 2112K (Physics 2211 and 2212 are recommended)	8
AREA E Social Sciences (12 semester hours)			
HIST	2111 or 2112	United States History	3
POLS	1101	American Government	3
Electives		ANTH 1103, ECON 2105, 2106, GEOG 1100, 1101, 1111, HIST 1111, 1112, 2111, 2112, PHIL 1101, 1102, 1103, POLS 2101, 2201, 2301, 2401, PSYC 1101, 2101, 2103, 2204, 2250, SOCI 1101, 1160	6
AREA F Major Related (18 semester hours)			
MATH	2254	Calculus and Analytic Geometry II	4
MATH	2255	Calculus and Analytic Geometry III	4
MATH	2256	Introduction to Linear Algebra	3
MATH	2403	Differential Equations	4
CMPS	1301	Principals of Programming I	3
PHYSICAL EDUCATION (1 semester hour)			
PHED		Activity Elective	1
II. UPPER LEVEL COURSES			
Common (31 semester hours)			
MATH	3101	Introduction to Advanced Mathematics	3
MATH	3201	Geometry	3
MATH	3301	Combinatorics	3

MATH	3401	Linear Algebra	3
MATH	2770	Statistics an Applications	3
MATH	4101	Abstract Algebra I	3
MATH	4201	Number Theory	3
MATH	4301	Graph Theory	3
MATH	4701	Probability and Statistics I	3
MATH	4601	Real Analysis	4

EDUCATION COURSES (36 semester hours)

EDUC	2110C	Investigating Critical and Contemporary Issues in Education	3
EDUC	2120	Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	3
EDUC	2130	Exploring Teaching and Learning	3
EDUC	3120	Teaching Secondary Students Who Are Exceptional, Diverse, and At-Risk	3
EDUC	3272	Classroom Management in Secondary Education/Field Experience I	2
EDUC	3273	Classroom Management in Secondary Education/Field Experience II	2
EDUC	3274	Classroom Management in Secondary Education/Field Experience III	2
READ	3456	Reading Across the Curriculum for Secondary Teachers	3
EDUC	3902	Curriculum and Assessment for Secondary Math/Science Teachers	3
EDUC	4901	Methods and Strategies for Secondary Math/Science Teachers	3
EDUC	4951	Internship in Secondary School Mathematics	8
EDUC	4953	Teaching Internship Seminar	1