

B.S. MATHEMATICS/SECONDARY EDUCATION (127 credits)

Science, Mathematics and Computer Science Department

Revised July 2022

A. CORE REQUIRED COURSES (39 Credits)

ENGL 160 Composition/Rhetoric (3)	RST 112 (3)	PHIL 113 (3)
ENGL 180 World Literature (3)	RST Elective (3)	PHIL Elective (3)
ENGL Elective (3)	Modern Language I (3)	Global History (3)
Fine Arts Elective (3)	Modern Language II (3) or	History Elective (3)
Social Science Elective (3)	Elective (3)	

B. REQUIRED MAJOR COURSES (48 Credits)**EDUCATION REQUIREMENTS – 40 Total Credits****C. GENERAL EDUCATION COURSE REQUIREMENTS**

(24 Credits)

CS 142 Programming in C++ (3) (F)	EDUC 000 Field Experience (0) (F/S)
*MATH 155 or 220 Statistics (3) (F/S) (SI, SII)	EDUC 102 Dig Tech & Communication in Education (3) (F/S)
MATH 211 Calculus I (4) (S)	EDUC 442* Student Teaching (9)
MATH 212 Calculus II (4) (F)	EDUC 461* Methods, Materials and Assessment of ELIS (3) (S) (SI, SII)
MATH 213 Calculus III (4) (S)	EDUC 498B* Special Topics in Student Teaching (3) (F/S)
MATH 219 History of Mathematics (3) (F-Odd)	PSYC 252 Adolescent Psychology (3) (F)
MATH 321 Abstract Algebra (3) (S-Odd)	SPED 100 Characteristics of Students with Disabilities (3) (F/S)
MATH 322 + L Linear Algebra (3) (S)	
MATH 323 Theory of Numbers (3) (F-Odd)	*UPPER LEVEL COURSE REQUIRES SUCCESSFUL COMPLETION OF SOPHOMORE SCREENING*
MATH 324 College Geometry (3) (F-Even)	
MATH 411B Curriculum Methods and Materials (3) (F/S)	D. BLOCK SCHEDULE (16 Credits)
MATH 420 Discrete Mathematics (3) (F)	EDUC 005D Practicum IV Secondary/K-12 (1) (F)
MATH 495 Senior Seminar (1) (F)	EDUC 311* Educational Psychology (3) (F/S)
PHYS 303 + L General Physics I (4) (F)	EDUC 411A* Effective Instruction in Secondary & K-12 Ed (3) (F)
PHYS 304 + L General Physics II (4) (S)	EDUC 414* Social Foundations of Education (3) (F)
	SPED 367* Behavior and Classroom Management (3) (F)
	SPED 420* Universal Design for Learning (3) (S)

Math Placement Test: all students must take this test unless they have AP or dual enrollment credits which meet **all** required courses for the major.

< 40: must take MATH 095 before any other math course (credits do not count towards graduation)

\geq 40: eligible for MATH 155, MATH 160 (pre-requisite course for MATH 211)

\geq 75: eligible for all math courses including MATH 211 (Calculus I)

*you may need to take MATH 095 prior to taking MATH 155 requirement depending on Math Placement Test

** you may need to take MATH 095, MATH 160 prior to MATH 170 requirement depending on Math Placement Test

One or two semesters of required Modern Language depends on Foreign Language Placement Exam.

F: fall semester; S: spring semester; SI: summer I semester; SII; summer II semester; F/S: fall or spring semester