B.S., MAJOR in MATHEMATICS

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This plan is for freshmen entering: **Fall 2015**

Fall 2015	**Spring 2016**
LAS 110 College Writing 1 (3cr) MATH 222 Calculus 1[(1)] (4cr) PREP 100 First Year Experience (1cr) 2 General Education Electives (6cr)[(2)]	LAS 120 College Writing 2 (3cr) MATH 223 Calculus 2 (4cr) 2 General Education Electives (6cr) [(2)]
Fall 2016	**Spring 2017**
COMM 102 Elements of Oral Communication (3cr) MATH 224 Calculus 3 (4cr) PHYS 211 General Physics 1 (5cr) General Education Elective (3cr)[(2)]	MATH 320 Introduction to Advanced Mathematics (3cr) MATH 321 Ordinary Differential Equations (3cr) PHYS 212 General Physics 2 (5cr) General Education Elective (3cr) [(2)]
Fall 2017	**Spring 2018**
PESS 205 Critical Issues in Health (3cr) MATH 215 Introduction to Statistics (3cr) MATH 331 Foundations of Geometry (3cr) General Education or other Electives (6-9cr) [(2)]	CPTR 112 Programming 1 (3cr) MATH 319 Linear Algebra (3cr) MATH 445 Mathematical Analysis (3cr) General Education or other Electives (3-6cr) [(2)]
Summer Year 3 Students are strongly encouraged to obtain a research internship/experience during the summer after their junior year. These are typically paid internships at research universities or research institutions. Mathematics department faculty members will assist students in identifying and applying for these. positions.	
Fall 2018	**Spring 2019**
MATH 444 Abstract Algebra (3cr) CPTR 212 Programming 2 (3cr)[(3)] General Education or other Electives (9+ cr)[(2)]	MATH 447 Complex Variables (3cr) PREP 499 Career Prep & Planning (3cr) *General Education Electives or other Electives to complete the general education requirement and the college requirement of 124 total credits.*[(2)]

Special Instructions for Advisors

(1) Students who are unprepared to take MATH 222 Calculus 1 during their freshman fall semester should take MATH 110 College Algebra during their freshman fall semester and MATH 112 Trigonometry during their freshman spring semester. MATH 222 Calculus 1 and MATH 223 Calculus 2 should then be taken in the sophomore year along with MATH 320 Introduction to Advanced Mathematics in the sophomore spring semester. MATH 224 Calculus 3, MATH 321 Differential Equations, PHYS 211 General Physics 1, and PHYS 212 General Physics 2 should then all be moved to the junior year.

(2) To graduate in 4 years, a student needs to take on the average 15.5 credits per semester. Please keep that in mind when planning on how many elective hours to choose each semester.

(3) This course is not a requirement of the degree but is strongly recommended for students who are pursuing advanced degrees in mathematics.