## **BACHELOR OF SCIENCE IN MATHEMATICS (IMPACTED)**

## Major Requirements Worksheet 2015-2016 Catalog

3.7			2015-2016 Catalog	
Name:				
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Semester	Grade	Course #	Course Title	Prerequisites
		MATH 122	Calculus I (4)	Appropriate MDPT placement or
				MATH 111 and 113
		MATH 123	Calculus II (4)	MATH 122
		MATH 224	Calculus III (4)	MATH 123
		MATH 233	Fundamental Concepts for Advanced Mathematics (3)	MATH 123
		MATH 247	Introduction to Linear Algebra (3)	MATH 123
		ENGL 101	Composition (3) <b>OR</b>	ENGL 100
		ENGL 317	Technical Communication (3)	GE Foundation requirements, upper-division standing, and a previous composition course**
		CECS 174	Introduction to Programming and Problem Solving (3)	CECS 100 and MATH 113 (or equivalent)
		PHYS 151	Mechanics and Heat (4)	Pre/corequisite: MATH 122
			ee major faculty advisor)	
Take ONE 0	tne iono	wing courses: MATH 341	Number Theory (3) <b>OR</b>	MATH 233
		MATH 347	Linear Algebra (3)	MATH 233 and 247
Take ALL of	f the folloy	wing courses:		1
- w v.		MATH 361A	Introduction to Mathematical Analysis I (3)	MATH 224, and MATH 233 or 247
		MATH 361B	Introduction to Mathematical Analysis II (3)	MATH 361A
		MATH 364A	Ordinary Differential Equations (3)	MATH 224; Pre/corequisite: MATH 247
		MATH 380	Probability and Statistics (3)	MATH 224
		MATH 444	Introduction to Abstract Algebra (3)	MATH 233 and 247, and at least one of MATH 341 or 347
Students sho	uld choos	e the remaining	g 12 UNITS after discussing career goals an	d interests with an advisor.

<sup>\*\*</sup>The following upper-division units are excluded: MATH 303, 309, 370A, 370B, 409