

## MATHEMATICS MAJOR REQUIREMENTS-BACHELOR OF SCIENCE, 2018-

Name: \_\_\_\_\_

To qualify for a Bachelor of Science in Mathematics, the student must achieve a grade of C or better on all required mathematics course. Courses may be counted toward both Major and General Requirements. However, no course may fulfill two categories of General Requirements. (If you use any course for both Major and General Requirements, be sure to count the credits only ONCE toward the degree total.)

<u>COURSES REQUIRED</u>	<u>MINIMUM CREDITS</u>	<u>COURSES COMPLETED Subj#: Course#</u>	<u>COMPLETED CREDITS/SEM/YR</u>	<u>SENIOR REVIEW</u>
CALCULUS I, II, III	<u>12</u>	<u>640:121-122-221</u>	_____	_____
LINEAR ALGEBRA	<u>3</u>	<u>640:252</u>	_____	_____
MATHEMATICS REASONING	<u>3</u>	<u>640:300</u>	_____	_____
ELEMENTARY DIFFERENTIAL EQUATIONS	<u>3</u>	<u>640:314</u>	_____	_____
PROBABILITY AND STOCHASTIC PROCESSES	<u>3</u>	<u>640:331</u>	_____	_____
THEORY OF NUMBERS	<u>3</u>	<u>640:356</u>	_____	_____
INTRODUCTION TO MODERN ALGEBRA I & II	<u>6</u>	<u>640:351-352</u>	_____	_____
ADVANCED CALCULUS I & II	<u>6</u>	<u>640:311-312</u>	_____	_____
MATHEMATICAL STATISTICS	<u>3</u>	<u>960:481</u>	_____	_____
INTRODUCTION TO THEORY OF FUNCTIONS OF A COMPLEX VARIABLE	<u>3</u>	<u>640:403</u>	_____	_____
GEOMETRY	<u>3</u>	<u>640:435</u>	_____	_____
TOPOLOGY or INTRO. DIFFERENTIAL GEOMETRY	<u>3</u>	<u>640:411 or 640:432</u>	_____	_____
ADVANCED DIFF. EQUATIONS OR PDES AND BOUNDARY VALUE PROBLEMS	<u>3</u>	<u>640:427 or 640:463</u>	_____	_____
MATH SEMINAR	<u>3</u>	<u>640:491 or 640:492</u>	_____	_____

Minimum Total Credits: 57      Actual Credits Completed: \_\_\_\_\_      C=Complete

**NOTE: REQUIRED COURSES MUST ALL BE COMPLETED WITH A GRADE OF C OR BETTER.**

TOTAL DEGREE CREDITS REQUIRED: 120      TOTAL CREDITS COMPLETED: \_\_\_\_\_

SENIOR REVIEW APPROVAL BY FACULTY ADVISOR: \_\_\_\_\_

DATE OF REVIEW: \_\_\_\_\_

YOUR SIGNATURE & DATE: \_\_\_\_\_