

MATHEMATICS MAJOR-TEACHING OPTION REQUIREMENTS-BACHELOR OF ARTS, 2020-

Name: _____

To qualify for a Bachelor of Arts in Mathematics, the student must achieve a grade of C or better on all required mathematics classes. 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</u> <u>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>	_____	_____
ELEMENTARY APPLIED STATISTICS or INTRO TO DATA SCIENCE	<u>3</u>	<u>960:183 or 960:185</u>	_____	_____
INTRO LINEAR ALGEBRA or LINEAR ALGEBRA WITH APPL	<u>3</u>	<u>640:250 or 640:253</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	<u>3</u>	<u>640:351</u>	_____	_____
ADVANCED CALCULUS I*	<u>3</u>	<u>640:311</u>	_____	_____
MATHEMATICAL STATISTICS* or STATISTICAL REASONNING*	<u>3</u>	<u>960:481 or 645:563</u>	_____	_____
METHODS IN TEACHING MATH* or TEACHING METHODS I*	<u>3</u>	<u>640:465 or 56:300:510</u>	_____	_____
GEOMETRY*	<u>3</u>	<u>640:435</u>	_____	_____
MATH SEMINAR	<u>3</u>	<u>640:491 or 640:492</u>	_____	_____

Minimum Total Credits: 48 Actual Credits Completed: _____ C=Complete

NOTE: UP TO 9 CREDITS OF SELECTIVE COURSES WITH STARS CAN COUNT TOWARD THE MASTER OF ARTS IN TEACHING DEGREE PROGRAM WHICH LEADS TO NEW JERSEY INSTRUCTIONAL CERTIFICATION.

TOTAL DEGREE CREDITS REQUIRED: 120 TOTAL CREDITS COMPLETED: _____

SENIOR REVIEW APPROVAL BY FACULTY ADVISOR: _____

DATE OF REVIEW: _____

YOUR SIGNATURE & DATE: _____