MASTER OF SCIENCE IN MATHEMATICS EDUCATION
SECONDARY & PHYSICAL EDUCATION DEPARTMENT • SEIDEL SCHOOL / MATHEMATICS & COMPUTER SCIENCE DEPARTMENT • HENSON SCHOOL
2019-2020

NAME: ___________________________________________________ ID#: ______________________ DATE: ______________________

THIS CHECKLIST IS AN UNOFFICIAL TOOL FOR PLANNING.
Matriculated students and advisors should consult the Academic Requirements Report in GullNet before and after registering for classes each semester to track academic progress.

PROGRAM POLICIES
• Complete an approved program of study including at least 33 semester hours of graduate credit (a minimum of 24 hours completed at SU).
• Complete courses with a cumulative GPA of 3.0 or higher.
• Complete courses with no grade lower than a C, and no more than six credit hours of C or C+.

Advisement for the program is available from the Secondary and Physical Education Department or the Mathematics and Computer Science Department.

PROGRAM REQUIREMENTS

EDUCATION COURSES (4 courses)
Complete the following:
EDUC 502* - Introduction to Research 3 __________ __________
EDUC 504 - Diversity in a Democracy 3 __________ __________
EDUC 506 - Seminar in Teaching of Mathematics 3 __________ __________
EDUC 545 - Learning, Instruction and Assessment in the Schools 3 __________ __________
* EDUC 502 must be taken within the first 9 hours

TRACK COURSES (4 courses)
Complete 1 of the following tracks:

Middle School Track
Complete the following courses or their equivalents with department approval:
MATH 541 - Conceptual Algebra for Teachers or 3 __________ __________
MATH 555 - Cartesian Triad (departmental approval required)
MATH 503 - Data Analysis 3 __________ __________
MATH 566 - Geometry: From Euclid to Modern Day 3 __________ __________
MATH 501 - Number Theory from a Multicultural and Historical Perspective or 3 __________ __________
MATH 565 - Mathematical Modeling for Middle School Teachers

High School Track
Complete the following courses or their equivalents with department approval:
MATH 500 - Foundations of Number Theory 3 __________ __________
MATH 502 - Applied Statistics 3 __________ __________
MATH 507 - Seminar: Algebra 3 __________ __________
MATH 508 - Seminar: Geometry 3 __________ __________

ELECTIVE COURSES (2 courses)
Complete 2 elective courses from the graduate offerings in education, mathematics or science. See recommended electives at the left.
____________________________________ 3 __________ __________
____________________________________ 3 __________ __________

CAPSTONE COURSE (1 course)
EDUC 695 - Research Seminar 3 __________ __________

SUGGESTED ELECTIVES

Middle School Track
MATH 510 - Mathematical Reasoning
MATH 520 - Middle School Mathematics in a Teaching Context with Instructional Technology
MATH 531 - Mathematics Connections for Secondary School Teachers

High School Track
MATH 531 - Mathematics Connections for Secondary School Teachers
MATH 551 - Analysis I
MATH 561 - Abstract Algebra I
MATH 580 - History of Mathematics

Additional Suggested Electives
Any graduate-level course(s) in MATH
Any graduate-level course(s) in another science
EDUC 500 - Historical, Philosophical and Social Foundations
EDUC 503 - Classroom Management
EDUC 508 - Seminar: Research in Human Development
EDUC 571 - Web-Based Teaching And Learning
EDUC 588 - Seminar: Educating Individuals with Disabilities
EDUC 619 - The Law and Public Education
EDUC 632 - Classroom Assessment
EDUC 689 - Multimedia in the Constructivist Classroom
EDLD 514 - Aligning Curriculum, Instruction and Assessment
EMAT 541 - Teaching Literacy in the Content Areas I
EMAT 542 - Teaching Literacy in the Content Areas II

Salisbury UNIVERSITY