2007-2008 Academic Year

Salisbury UNIVERSITY

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
DEPARTMENT OF EDUCATION

MASTER OF SCIENCE IN MATHEMATICS EDUCATION

CHECKLIST/PLAN OF STUDY

Name _____ Student ID Number _____

Address _____ Current Teaching Certificate Y ___ N ___

_____ Previously-completed Master's Degree Y ___ N ___

Phone (h) _____ (w) _____ If no, Undergraduate Cumulative GPA _____

E-mail address_____ Undergraduate Major _____

Date admitted to SU's Graduate Program _____

Date of first course in M.S.M.E. Program _____ Full Admission _____ *Provisional Admission _____

Date of admission to the M.S.M.E. Program _____ M.S.M.E. Advisor _____

Candidates seeking the M.S.M.E. must complete an approved program of study, including at least 33 semester hours of graduate credit (a minimum of 24 hours completed at SU) with a cumulative GPA of 3.0 or higher, with no grade lower than a C, and no more than 6 credit hours of C or C+.

I. Required Courses (12 credits)

Dept.	Course No.	Course Title	Credits	Semester	Grade
EDUC	502**	Introduction to Research	3		
EDUC	506	Seminar in Teaching Mathematics	3		
EDLD	514	Aligning Curriculum, Instr & Assess.	3		
EDUC	545	Learning and Instruction	3		

**EDUC 502 must be taken within the first 9 hours

II. Specialization [Middle or High-School] Track (12 credits) See reverse side of this sheet for course requirements

Dept.	Course No.	Course Title	Credits	Semester	Grade
MATH			3		
MATH			3		
MATH			3		
MATH			3		

III. Approved Electives (6 credits) See reverse side of this sheet for approved courses

Dept.	Course No.	Course Title	Credits	Semester	Grade

IV. Capstone Experience (3 credits) -- Course to culminate experience in the graduate program

Dept.	Course No.	Course Title	Credits	Semester	Grade
EDUC	695	Research Seminar: Math Ed	3		

_____ Total Credits Completed _____

Student's Signature Date

_____ M.S.M.E. Cumulative GPA _____

Advisor's Signature Date

_____ Date M.S.M.E. Completed _____

M.S. Program Director's Signature Date

*Candidates will be admitted provisionally if they do not possess a Master's degree and their undergraduate cumulative GPA is less than 2.75. Provisionally-admitted candidates must complete 9 credit hours of graduate study with no grade below B to apply for full admission to the M.S.M.E. program.

II. Specialization Track - Choose one of the following tracks (12 credits)

A. High-School Track (all 4 courses must be completed)
1. MATH 500 – Foundations of Number Theory
2. MATH 502 – Applied Statistics
3. MATH 507 – Seminar: Algebra
4. MATH 508 – Seminar: Geometry

B. Middle-School Track (4 courses must be completed)
1. One of the following two courses:
   a. MATH 541 – Conceptual Algebra for Teachers
   b. MATH 555 –The Cartesian Triad: Algebra, Geometry and Coordinates in the Plane
2. MATH 503 – Data Analysis
3. MATH 566 – Geometry: From Euclid to Modern Day
4. One of the following two courses:
   a. MATH 501 – Number Theory from a Multicultural and Historical Perspective
   b. MATH 565 – Mathematical Modeling for Middle School Teachers

III. Approved Electives - Choose 2 of the following (for a total of 6 credits)

*Middle-school track: Suggested electives include:
MATH 510 - Mathematical Reasoning
MATH 520 - Middle-School Mathematics in a Teaching Context with Instructional Technology
MATH 531 – Mathematical Connections for Secondary School Teachers

*High-school track: Suggested electives include:
MATH 531 – Mathematical Connections for Secondary School Teachers
MATH 551 - Analysis I
MATH 561 - Abstract Algebra I
MATH 580 - History of Mathematics

*Other electives include:
*Any graduate-level course(s) in MATH
*Any graduate-level course(s) in another science
*EDUC 500 – Historical, Philosophical and Social Foundations of Education
*EDUC 503 – Classroom Management
*EDUC 504 – Multicultural Education
*EDUC 508 – Seminar: Research in Human Development
*EDUC 571 – Telecommunications in Education
*EDUC 582 – Teaching Reading in Content Areas, Part I
*EDUC 583 – Teaching Reading in Content Areas, Part II
*EDUC 586 – Conflict Resolution and Peer Mediation
*EDUC 587 – Cooperative 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