

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
 DEPARTMENT OF EDUCATION
MASTER OF SCIENCE IN MATHEMATICS EDUCATION
CHECKLIST/PLAN OF STUDY

Name _____
 Address _____

 Phone (h) _____ (w) _____
 E-mail address _____
 Date admitted to SU's Graduate Program _____
 Date of first course in M.S.M.E. Program _____
 Date of admission to the M.S.M.E. Program _____

Student ID Number _____
 Current Teaching Certificate Y ___ N ___
 Previously-completed Master's Degree Y ___ N ___
 If no, Undergraduate Cumulative GPA _____
 Undergraduate Major _____
 Full Admission _____ *Provisional Admission _____
 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)

<u>Dept.</u>	<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Semester</u>	<u>Grade</u>
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

<u>Dept.</u>	<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Semester</u>	<u>Grade</u>
MATH	_____	_____	3	_____	_____
MATH	_____	_____	3	_____	_____
MATH	_____	_____	3	_____	_____
MATH	_____	_____	3	_____	_____

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

<u>Dept.</u>	<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Semester</u>	<u>Grade</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

<u>Dept.</u>	<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Semester</u>	<u>Grade</u>
EDUC	695	Research Seminar	3	_____	_____

 Student's Signature Date

 Advisor's Signature Date

 M.S. Program Director's Signature Date

Total Credits Completed _____
 M.S.M.E. Cumulative GPA _____
 Date M.S.M.E. Completed _____

*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