2006-07  CHECKLIST FOR GRADUATION REQUIREMENTS IN MATHEMATICS - TEACHER LICENSURE - AB
Minimum of 132 s.h. required for graduation  (36 s.h. must be 300/400-level courses)
(Additional hours to total 132 s.h. – includes second major, minor, and elective hours.)

Name________________________________________ I.D. #________________________ H.S. deficiencies: Math ____  Foreign Language ____

General Studies Requirements
(General Studies must total at least 58 s.h.)

FIRST-YEAR CORE:

GST 110 - Global Experience (4 s.h.)_________________
ENG 110 - College Writing (4 s.h.)_________________(C- or better required for graduation)
MTH 112 OR 121 (4 s.h.) *MTH 121
HED 111 – Contemp. Wellness Issues (2 s.h.)_________________

Experiential Learning Requirement (ELR): (One Unit)
[May be met by any one of the following: internship, practicum, co-op, study abroad, student teaching, or an approved field-based course. Also may be met by service, leadership, or individualized learning experience.]

Foreign Language Requirement:
Students must meet one of the following: placing beyond FL 122 on the CAPE placement test, completing a 122-level language course, completing a semester or summer in a university approved program in a non-English speaking country with language study at the 122-level or above, scoring 4 or 5 on an Advanced Placement language exam or similar exam.

STUDIES IN THE ARTS AND SCIENCES:
[Transfer students with at least 18 s.h. of transfer credit must complete 32 hours total in Studies in the Arts & Sciences, but may have as few as 7 hours in one or more of the four Studies in the Arts & Sciences areas.]

Expression (8 s.h.)
[Eight hours chosen from at least two of the following: literature (in English or foreign languages), philosophy, & fine arts (art, dance, fine arts, music, music theater, and theater arts). At least one course must be literature.]

Civilization (8 s.h.)
[Eight hours chosen from at least two of the following: history, foreign languages, and religion. Students taking foreign language courses to meet Elon’s proficiency requirement may only apply 4 s.h. of that coursework toward Civilization.]

Society (8 s.h.)
[Eight hours chosen from at least two of the following: economics, geography, political science, psychology, and sociology.]

Science *PHY 113  (Lab: ____ )  *CSC 130 (8 s.h.)
[Eight hours chosen from one or more of the following: mathematics, science, and computer science (must have CSC department designation). One course must be a physical or biological laboratory science.]

ADVANCED STUDIES (Must be outside major.)

*PSY 321 (8 s.h.)
[Eight hours of 300-400 level courses outside the major field chosen from the departments and areas listed under Studies in the Arts and Sciences.]

GST Interdisciplinary Seminar (4 s.h.)
[300-400 level GST course; requires junior/senior status.]

Major Requirements
A minimum of 80 s.h. in the following courses is required.

____ *CSC 130 (4) – Introduction to Computer Science
____ *MTH 121 (4) - Calculus & Analytic Geometry I
____ MTH 212 (4) – Statistics in Application
____ MTH 221 (4) - Calculus & Analytic Geometry II
____ MTH 231 (4) - Mathematical Reasoning
____ MTH 310 (4) – Mathematics for the Secondary Teacher
____ MTH 311 (4) - Linear Algebra
____ MTH 312 (4) - Abstract Algebra
____ MTH 321 (4) - Calculus & Analytic Geometry III
____ MTH 331 (4) - Modern Geometry
____ MTH 341 (4) - Probability Theory & Statistics
____ *PHY 113 (4) – General Physics I w/ Calculus

Professional Studies - Secondary & K-12 (32 s.h.)

____ EDU 211 (4) – School and Society
____ EDU 322 (2) - Reading in Content Areas
____ EDU 350 (2) –Classroom Management for Secondary Teachers
____ EDU 422 (4) – Materials and Methods of Teaching Middle Grades and Secondary Math
____ EDU 450 (4) - Meeting Special Learning Needs of Children
____ EDU 480 (2) - Student Teaching Seminar
____ EDU 481 (10) – Supervised Observation and Student Teaching
____ *PSY 321(4) - Educational Psychology
(C- or better required for admission to Educ. program)

____ Major Total (s.h.)

*Required in major; may count in General Studies.
The mathematics teacher licensure program adopts the conceptual framework for teacher education at Elon University:

THOUGHTFUL PRACTICE IN A COMMUNITY OF LEARNERS

The mission of Teacher Education at Elon University is to prepare quality teachers who are knowledgeable, responsible and thoughtful professionals. The conceptual framework, “Thoughtful Practice in a Community of Learners,” reflects the intention to create a learning environment in which teacher candidates inquire and collaborate to develop the knowledge, skills and dispositions for effective professional practice.

The mathematics department is extremely proud of and devoted to mathematics majors; the department works diligently to make every one of the courses challenging, enriching, relevant, and current in an environment that is open and inviting for all teacher candidates. Teaching faculty model appropriate teaching strategies as well as assist the teacher candidate in making connections within math concepts and real world applications. The department strives to provide a curriculum that is pertinent, rigorous, and flexible for mathematics majors choosing to enter the high school classroom. The department encourages teacher candidates to become actively involved in professional math education organizations.

STEPS TO TEACHER LICENSURE

I. **Sophomore Year or earlier**
   1. Declare the major. Complete forms in Academic Advising, Duke 108.
   2. Apply for admission to the Teacher Education Program in the Teacher Education Office, Mooney 102.
   3. Determine whether Praxis Series/PPST (Pre-Professional Skills Test) is required. If combined SAT score is 1100 or greater, the PPST is not required. If one part of the SAT is 550 or greater, that section of the PPST is not required.
   4. If PPST is required, obtain registration information for the test from the Teacher Education Office.
   5. Have PPST scores sent to Elon University and to the Department of Public Instruction in Raleigh.
   6. Have an overall grade point average of at least 2.50. Maintain at least a 2.50 GPA throughout the program.
   7. Be screened by the major department.
   8. Attend the School of Education Induction Ceremony.
   9. Only after a student has been unconditionally admitted to Teacher Education may he/she enroll in Education (EDU) courses at the 300-400 level.

II. **Semester Prior to Student Teaching**
   1. Have an overall GPA of at least 2.50.
   2. Apply for student teaching. Forms are available in the Teacher Education Office.

III. **Semester of Student Teaching**
   1. Submit technology portfolio via Livetext.
   2. Submit focused unit via Livetext.

IV. **At End of Student Teaching**
   1. Obtain licensure forms from the Teacher Education Office.
   2. Clear all requirements with the Office of the Registrar.