2011-12   CHECKLIST FOR GRADUATION REQUIREMENTS IN MATHEMATICS - TEACHER LICENSURE - BA
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. #________________________

### General Studies Requirements (58-62 sh)

**FIRST-YEAR CORE:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>GST 110 - Global Experience</td>
<td>4 s.h.</td>
<td>(4 s.h.)</td>
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<tr>
<td>ENG 110 - College Writing</td>
<td>4 s.h.</td>
<td>(C- or better required for graduation)</td>
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<tr>
<td>MTH 112 or 212</td>
<td>4 s.h.</td>
<td>*MTH 121</td>
</tr>
<tr>
<td>HED 111 – Contemporary Wellness</td>
<td>2 s.h.</td>
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</tbody>
</table>

**Experiential Learning Requirement (ELR):** (One Unit)

May be met by any one of the following: internship, practicum, co-op, study abroad, student teaching, approved field-based course or documented service, leadership, or individualized learning experience.

**Foreign Language Requirement:**

Students must meet one of the following: (a) complete a language course numbered 122 or higher at Elon, or receive transfer or study abroad credit for the same; (b) place into a language course numbered 200 or above upon arriving at Elon, using a department of foreign languages approved placement instrument; (c) score a 4 or 5 on an AP language exam or similar exam. Each student must take the language placement test by October 1 of his or her first full year at Elon. Students are allowed two tries; the higher score is counted. That score stands and may not be repeated by later testing.

**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, art history, dance, fine arts, music, music theatre, & theatre).

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 religious studies.

**Society** *SOC 243 __________________ (8 s.h.)________

Eight hours chosen from at least two of the following: economics, geography, human services - HSS 111 only, political science, psychology, & sociology/anthropology.

**Science** * (Lab: ___) * (8 s.h.)________

Eight hours chosen from one or more of the following: mathematics, science, and computer science (CSC 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 coursework outside the major field and chosen from areas 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 84 s.h. in the following courses is required.

* MTH 121 (4) - Calculus I
* MTH 212 (4) – Statistics in Application
* MTH 221 (4) - Calculus II
* MTH 231 (4) - Mathematical Reasoning
* MTH 310 (4) – Mathematics for Middle Grades and Secondary Teachers
* MTH 311 (4) - Linear Algebra
* MTH 312 (4) - Abstract Algebra
* MTH 321 (4) - Calculus III
* MTH 331 (4) - Modern Geometry
* MTH 341 (4) - Probability Theory & Statistics
* MTH 408 (1) – 21st Century Technology in Mathematics

Choose two courses from the following:

*PHY 201 (4) – General Physics I
*CSC 130 (4) – Computer Science I

A course in an allied field approved by the Math dept.

___ Major Comprehensive Evaluation

**Professional Studies - Secondary & K-12 (39 s.h.)**

* SOC 243 (4) – Sociology of Education
* CIS 220 (3) – Technology for Teaching and Learning
* PSY 321(4) - Educational Psychology
* EDU 302 (0-1) – Explorations Seminar II
* EDU 315 (4) – Educational Assessment
* EDU 355 (4) – Teaching in 21st Century Classrooms
* EDU 422 (4) –Methods of Teaching Middle Grades and Secondary Math
* EDU 450 (4) – Teaching Diverse Learners in Secondary Schools
* EDU 481 (10) – Student Teaching
* EDU 303 (2) – Explorations Seminar III

___ Major Total (s.h.)


*Required in major; may count in General Studies.