CHECKLIST FOR GRADUATION REQUIREMENTS IN SCIENCE EDUCATION
SECONDARY SCIENCE COMPREHENSIVE PHYSICS - BACHELOR OF ARTS

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.)_________________
(M- or better required for graduation)
MTH 112 or 121 or 212 (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, 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 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, & sociology/anthropology.]

Science *PHY 113 (Lab: ___) *PHY 114 (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 __________________________________________
*MTH 321 (8 s.h.)_________________
[Eight hours of 300-400 level courses outside the major field chosen from 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 99 s.h. in the following courses is required.

___ PHY 102 (4) – Introduction to Astronomy
___ PHY 103 (4) – Introduction to Geology
___ *PHY 113 (4) – General Physics I with Calculus w/ lab (PHYL 113)
___ *PHY 114 (4) – General Physics II with Calculus w/ lab (PHYL 114)
___ PHY 213 (4) - Introduction to Modern Physics
___ PHY 301 (4) - Classical Mechanics & Dynamical Systems
___ PHY 311 (4) - Classical Electrodynamics
___ PHY 312 (4) - Electricity, Magnetism, and Field Theory
___ PHY 411 (4) – Quantum Mechanics
___ *MTH 121 (4) - Calculus & Analytic Geometry I
___ MTH 221 (4) - Calculus & Analytic Geometry II
___ *MTH 321 (4) - Calculus & Analytic Geometry III
___ ___ *CHM 111 (3) & 113 (1)-General Chemistry I & Lab
___ ___ *CHM 112 (3) & 114 (1) - General Chemistry II & Lab
___ ___ *BIO 111 (3) & 113 (1)- Introductory Cell Bio. & Lab
___ ___ BIO 112 (3) & 114 (1) – Intro. Population Bio. & Lab

Professional Studies (35 sh)

___ EDU 211 (4) – School and Society
___ EDU 322 (2) - Reading in Content Area
___ EDU 350 (2) –Classroom Management for Secondary Teachers
___ EDU 424 (4) – Materials and Methods of Teaching Middle Grades and Secondary Science
___ EDU 450 (4) - Meeting Special Learning Needs of Children
___ EDU 480 (2) - Student Teaching Seminar
___ EDU 481 (10) – Supervised Observation and Student Teaching
___ CIS 220 (3) - Computers & Teaching
___ *PSY 321 (4) - Educational Psychology

___ Major Total
Mission of Teacher Education at Elon University

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

Science Teacher Licensure Program Mission

The Comprehensive Science Teacher Licensure Program is committed to preparing quality teachers who are as follows:

- Knowledgeable in comprehensive science content and process
- Professional in meeting responsibilities both within the university and in the classroom
- Skillful in using inquiry to enhance their own and their students’ learning and development
- Committed to and respectful of the communities in which they live and teach.

Steps to Teacher Licensure

I. Freshman Year
1. Plan program with coordinator of science education
2. Apply for admission to the Teacher Education Program in the Teacher Education Office, Mooney 102 if you are spending a semester abroad in sophomore year.

II. 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 (if not completed previously)
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 bulletin 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 science education screening committee
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.

III. 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.

IV. Semester of Student Teaching
1. Submit technology portfolio via LiveText
2. Submit focused unit via LiveText
3. Submit professional portfolio

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