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

Minimum of 132 s.h. required for graduation (36 s.h. must be 300/400-level courses)

Name ___________________________ SSN ______________________ H.S. deficiencies: Math ____ Foreign Language ____

**General Studies Requirements**
(General Studies must total at least 59 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 110 (or higher) (4 s.h.) *MTH 115

HED 110 - Wellness (3 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.]

**LIBERAL STUDIES:**

**Expression** (8 s.h.)

[Five 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.)

[Five hours chosen from at least two of the following:

- history, foreign languages, and religion.

Or five hours from foreign languages.]

**Society** (8 s.h.)

[Five hours chosen from at least two of the following:

- economics, geography, political science, psychology, and sociology.]

**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 chosen from at least two of the four areas listed under Liberal Studies. Certain approved 200 level courses marked in the schedule books for each semester and in the academic catalog may be chosen.]

**GST Interdisciplinary Seminar** (4 s.h.)

[300-400 level GST course; requires junior/senior status.]

*Required in major; may count in General Studies.

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**Major Requirements**

A minimum of 95 s.h. in the following courses is required.

- PHY 113* (4) - Physics I with Calculus
- PHY 114* (4) - Physics II with Calculus
- 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 102 (4) - Astronomy
- PHY 103 (4) - Geology

Select 12 s.h. in Biology or 12 s.h. in Chemistry

- MTH 115* (4) - College Algebra and Elementary Functions
- MTH 121 (4) - Calculus & Analytic Geometry I
- MTH 221 (4) - Calculus & Analytic Geometry II
- MTH 321* (4) - Calculus & Analytic Geometry III

**Professional Studies**

- EDU 211 (4) - Introduction to Education with Practicum
- EDU 322 (2) - Reading in Content Area
- EDU 424 (4) - Methods of Teaching Science
- EDU 430 (3) - Foundations of Education
- EDU 450 (3) - Meeting Special Learning Needs
- EDU 480 (2) - Student Teaching Seminar
- EDU 481 (10) - Student Teaching
- CIS 220 (3) - Computers & Teaching
- PSY 321* (4) - Educational Psychology

**Comprehensive Evaluation**

**Major Total**