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.)

CSC designation). One course must be physics, mathematics, or computer science.

MTH 112 or 121 or 212 (4 s.h.)

HED 111 – Contemp. Wellness Issues (2 s.h.)

Expression

(8 s.h.)

Eight hours chosen from at least two of the following:
literature in English or foreign languages, philosophy, and fine arts
(art, art history, dance, fine arts, music, music theatre, & theatre).

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,


Science

PHY 113 (Lab: ___) PHY 114 (8 s.h.)

Eight hours chosen from one or more of the following:

ADVANCED STUDIES (Must be outside major.)

*PSY 321 (8 s.h.)

*MTH 321 (8 s.h.)

Eight hours of 300-400 level coursework outside the major field and
drawn from areas under Studies in the Arts and Sciences.

GST Interdisciplinary Seminar (4 s.h.)

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

*Required in major; may count in General Studies

Major Requirements
A minimum of 104 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 (4) - General Chemistry I
___ CHM 112 (4) - General Chemistry II
___ ___._*BIO 111 (3) & 113 (1) - Introductory Cell Bio. & Lab
___ ___._BIO 112 (3) & 114 (1) – Intro. Population Bio. & Lab

Professional Studies (40 sh)

___ *SOC 243 (4) – Sociology of Education
___ EDU 315 (4) – Educational Assessment
___ EDU 355 (4) – Teaching in the 21st Century Classroom
___ EDU 301-303 (3) – Explorations Seminar
___ EDU 424 (4) – Materials and Methods of Teaching Middle Grades and Secondary Science
___ EDU 450 (4) – Teaching Diverse Learners in Secondary Schools
___ EDU 481 (10) – Supervised Observation and Student Teaching
___ CIS 220 (3) – Technology in Teaching and Learning
___ *PSY 321 (4) - Educational Psychology
___ Evidence 2 – Research Project
___ Major Total

^Checksheet updated in March, 2010 to reflect new requirements; updated version should be used in place of previous one.