EAST CENTRAL UNIVERSITY

PHYSICS - B.S.
0350/UG07-UG13

Adviser _____________________

Student’s Name __________________________ ID No. _________

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Work in progress: 2.0 minimum required in the following areas:

Work lacking:

124 total hours ______ completed
30 hrs @ ECU ______ completed
(15 of last 30 must be at ECU) ______
60 hrs @ Sr College ______ completed
40 hrs upper level ______ completed

HS Curricular Req ___ met ___ not met

REQUIREMENTS

I. General Education (45 HOURS)

10 hours (CMPSC 1113, CHEM 1114, and MATH 1513) counted in the Major

Other hours needed: 35

II. Major in Physics

35

A. Required in the Physics Major

PHYS 2115 Engineering Physics I
PHYS 2225 Engineering Physics II
PHYS 3013 Modern Physics
PHYS 3113 Mechanics I
PHYS 3411 Junior Physics Laboratory
PHYS 3713 Thermodynamics
PHYS 3813 Optics
PHYS 4113 Electricity & Magnetism-Field Theory
PHYS 4313 Introduction to Nuclear Physics
PHYS 4513 Quantum Mechanics

B. Required Electives

Three hours Physics electives (3000-4000)

III. Related Work

27-33

A. Required Electives

CHEM 1114 General Chemistry I
CMPSC 1113 Computer Programming I
MATH 1513 College Algebra

IV. Minor (Not Required)

V. Electives

21-27

VI. Total Hours Required

124

VII. Special Requirements

“Teachers” or “methods” courses do not count in the major.

NOTE: Students having completed trigonometry in high school may, upon approval by the Department of Mathematics, omit MATH 1713. Students having completed high school algebra II may, upon approval by the Department of Mathematics, omit MATH 1513.

The OSRHE computer proficiency graduation requirement will be met through completion of CMPSC 1113 (including equated or substituted courses), or testing out of the challenge exam for this course, OR successful completion of an associate of arts or associate of science degree at an Oklahoma two-year college in which the computer skills requirement was met. Satisfaction of this requirement may not reduce or remove any program requirements.

Students beginning at East Central University in the fall 2007 semester or later who have earned less than sixty-four semester hours are required to take two classes with designated service-learning component. Students transferring to ECU for the first time in the fall 2007 semester or later with sixty-four or more semester hours will be required to take one class with a service-learning component.