

EAST CENTRAL UNIVERSITY

Name _____

PHYSICS - B.S.
0350/UG07-UG11

Advisor _____

Student's Name _____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ Date _____

Required:
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

Work in progress _____
2.0 minimum required in the following areas:
ECU Avg _____ Rtn Avg _____
Major Overall Avg _____
Major ECU Avg _____
Minor Overall Avg _____
Minor ECU Avg _____

Work lacking:
Major _____ (inc A/C and Related Work)
Minor _____ (incl Rel Wk)
Prof Educ _____
General Educ _____
Comp Prof ___ met ___ not met
Serv Lrng ___ met ___ not met

REQUIREMENTS

HOURS

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

A. Required in the Physics Major **32**

- ___ 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 **3**

Three hours Physics electives (3000-4000)

III. Related Work **27-33**

A. Required Electives **7-10**

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

REQUIREMENTS

HOURS

B. Required Related Work

20-23

- ___ CHEM 1214 General Chemistry II
- ___ MATH 1713 Trigonometry
- ___ MATH 2825 Calculus & Analytic Geometry I
- ___ MATH 3025 Calculus & Analytic Geometry II
- ___ MATH 3033 Calculus & Analytic Geometry III
- ___ MATH 4113 Differential Equations

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.

