

EAST CENTRAL UNIVERSITY

Name \_\_\_\_\_

PHYSICS - B.S.  
0350/UG07-UG13

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.

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