EAST CENTRAL UNIVERSITY

PHYSICS - B.S.
0350/UG22

Advisor _____

Student's Name_____ ID No. _____

*DEGREE CHECK INCLUDES CURRENT ENROLLMENT*_____

Checked by _____Date _____   Work in progress_____
Required: **2.0 minimum required in the following**   **Work lacking:**
124 total hours _____completed   **areas:**   **Major ____(inc A/C and Related Work)**
30 hrs @ ECU_____completed   **ECU Avg _____Rtn Avg _____**   **Minor ____(incl Rel Wk)**
(15 of last 30 must be at ECU) _____   **Major Overall Avg _____**   **Prof Educ _____**
60 hrs @ Sr College _____completed   **Major ECU Avg_____**   **General Educ ____**
40 hrs upper level _____completed   **Minor Overall Avg _____**   **Comp Prof ___met ___not met**
HS Curricular Req __met __not met

REQUIREMENTS	HOURS		REQUIREMENTS	HOURS

I. General Education (44 HOURS)

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

Other hours needed — **34**

II. Major in Physics — **35**
  A. Required in the Physics Core — 15
  __ PHYS 2115 Engineering Physics I
  __ PHYS 2225 Engineering Physics II
  __ PHYS 3013 Modern Physics
  __ PHYS 3412 Junior Physics Laboratory

  B. Required in the Physics Major — 18
  __ PHYS 3113 Mechanics I
  __ PHYS 3713 Thermodynamics
  __ PHYS 3813 Optics
  __ PHYS 4113 Electricity & Magnetism-Field Theory
  __ PHYS 4313 Introduction to Nuclear Physics
  __ PHYS 4513 Quantum Mechanics

  C. Required Electives — 2

  Two hours Physics electives (3000-4000)

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III. Related Work — **27-33**
  A. Required Electives — 7-10
  __ CHEM 1114 General Chemistry I
  __ CMPSC 1113 Computer Programming I
  __ MATH 1513 College Algebra

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 — **22-28**

VI. Total Hours Required — **124**

VII. Special Requirements
"Teachers" or "methods" courses do not count in the major.

With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.

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.