

EAST CENTRAL UNIVERSITY

Name

PHYSICS - B.S.
0350/UG19

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 _____

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

| <u>REQUIREMENTS</u> | <u>HOURS</u> | <u>REQUIREMENTS</u> | <u>HOURS</u> |
|---|--------------|---|--------------|
| I. General Education (44 HOURS) | | B. Required Related Work | 20-23 |
| <i>10 hours (CHEM 1114, CMPSC 1113, and MATH 1513) counted in the Major</i> | | ___ CHEM 1214 General Chemistry II | |
| Other hours needed | 34 | ___ 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 | |
| II. Major in Physics | 35 | IV. Minor (Not Required) | |
| A. Required in the Physics Core | 15 | V. Electives | 22-28 |
| ___ PHYS 2115 Engineering Physics I | | VI. Total Hours Required | 124 |
| ___ PHYS 2225 Engineering Physics II | | VII. Special Requirements | |
| ___ PHYS 3013 Modern Physics | | "Teachers" or "methods" courses do not count in the major. | |
| ___ PHYS 3412 Junior Physics Laboratory | | With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825. | |
| B. Required in the Physics Major | 18 | 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, <u>OR</u> 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. | |
| ___ 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) | | | |
| III. Related Work | 27-33 | | |
| A. Required Electives | 7-10 | | |
| ___ CHEM 1114 General Chemistry I | | | |
| ___ CMPSC 1113 Computer Programming I | | | |
| ___ MATH 1513 College Algebra | | | |

