

**EAST CENTRAL UNIVERSITY  
PHYSICS - B.S.  
TEACHER CERTIFICATION CONCENTRATION  
0351/UG14-UG15**

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)**

17 hours (BIOL 1214 or 1314, CHEM 1114, COMM 1113, MATH 1513,  
 and PSYCH 1113) counted in the Major

Demonstrate novice high competency in a foreign language or complete a  
 Foreign Language or American Sign Language course with a C or higher.

Other hours needed **28**

**II. Major in Physics-Teacher Certification 30****A. Required in the Physics-Teacher Certification 27**

- \_\_\_\_ B/C/P 4113 Methods of Tchng Biol and Phys Sci  
 \_\_\_\_ PHYS 1314 Astronomy  
 \_\_\_\_ PHYS 2115 Engineering Physics I  
 \_\_\_\_ PHYS 2225 Engineering Physics II  
 \_\_\_\_ PHYS 3013 Modern Physics  
 \_\_\_\_ PHYS 3113 Mechanics I  
 \_\_\_\_ PHYS 3411 Junior Physics Laboratory  
 \_\_\_\_ PHYS 4113 Electricity & Magnetism-Field Theory

**B. Required Physics Electives 3**

- \_\_\_\_ Three hours physics electives \_\_\_\_\_  
 (Not PHYS 3222 or 4222)

**III. Related Work 39-45****A. Required General Education 14-17**

- \_\_\_\_ BIOL 1214 General Botany **OR**  
 \_\_\_\_ BIOL 1314 General Zoology  
 \_\_\_\_ CHEM 1114 General Chemistry I  
 \_\_\_\_ COMM 1113 Fundamentals of Human Comm  
 \_\_\_\_ MATH 1513 College Algebra  
 \_\_\_\_ PSYCH 1113 General Psychology

**B. Required Related Work 18-21**

- \_\_\_\_ CHEM 1214 General Chemistry II  
 \_\_\_\_ GEOG 1214 Earth Science  
 \_\_\_\_ MATH 1713 Trigonometry  
 \_\_\_\_ MATH 2825 Calculus & Analytic Geometry I  
 \_\_\_\_ MATH 3025 Calculus & Analytic Geometry II

**REQUIREMENTS****HOURS****C. Required Related Work Electives 7**

Seven hours chemistry electives

**IV. Minor**

Professional Education is used as the minor and no other minor is  
 required.

**V. Professional Education 30**

- \_\_\_\_ EDUC 2402 Survey of Excep Child  
 \_\_\_\_ PSYCH 3463 Child and Adolescent Psych  
 \_\_\_\_ EDUC 2012 Foundations of Educ  
 \_\_\_\_ EDUC 2211 Field Experience I  
 \_\_\_\_ EDPSY 3513 Educ Psych  
 \_\_\_\_ EDUC 3001 Field Experience II  
 \_\_\_\_ EDUC 4043 Strat for Effective Tchng  
 \_\_\_\_ EDUC 4611 Field Experience III  
 \_\_\_\_ EDUC 4632 Education Technology  
 \_\_\_\_ EDUC 4262 Student Teaching Seminar  
 \_\_\_\_ EDUC 4975 Sup Student Tchng Secondary School  
 \_\_\_\_ EDUC 4975 Sup Student Tchng Secondary School

**VI. Total Hours Required 127-133****VII. Special Requirements**

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 the  
 completion of the courses EDUC 4611 Field Experience III and EDUC 4632  
 Education Technology (including equated or substituted courses), both of which are  
 required courses in the professional education sequence.

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. Student 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.