

**EAST CENTRAL UNIVERSITY  
PHYSICS - B.S.  
TEACHER CERTIFICATION CONCENTRATION  
0351/UG07-UG12**

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
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**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 Tchg 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 45**

**A. Required General Education 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 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 Tchg
- \_\_\_ 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 133**

**VII. Special Requirements**

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.

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