

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

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 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 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 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 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.

