

**EAST CENTRAL UNIVERSITY
PHYSICS - B.S.
TEACHER CERTIFICATION CONCENTRATION
0351/UG22**

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

REQUIREMENTS

HOURS

I. General Education (44 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 **27**

II. Major in Physics **30**

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 for Concentration in Teacher Certification 13

- ___ B/C/P 4113 Meth Tchg Biol and PhySc
- ___ PHYS 1314 Astronomy
- ___ PHYS 3113 Mechanics I
- ___ PHYS 4113 Electricity & Magnetism-Field Theory

C. Required Electives 2
 Two hours physics electives _____
 (Not PHYS 3222 or 4222)

III. Related Work **39-45**

A. Required General Education 14-17

- ___ BIOL 1114 General Biology
- ___ 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

- ___ EDUC 2402 Survey of Excep Child **30**
- ___ PSYCH 3463 Child and Adolescent Psych
- ___ EDUC 2012 Foundations of Educ
- ___ EDUC 2631 Foundations of Educ Technology
- ___ EDUC 2211 Field Experience I
- ___ EDPSY 3513 Educ Psych
- ___ EDUC 3001 Field Experience II
- ___ EDUC 4042 Strat for Effective Tchg
- ___ EDUC 4611 Field Experience III
- ___ EDUC 4632 Education Technology Integration Strategies
- ___ EDUC 4262 Student Teaching Seminar I
- ___ EDUC 4282 Student Teaching Seminar II
- ___ EDUC 4974 Sup Student Tchng Secondary School
- ___ EDUC 4974 Sup Student Tchng Secondary School

VI. Total Hours Required

126-132

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.
