

**EAST CENTRAL UNIVERSITY  
BIOLOGY - B.S.  
TEACHER CERTIFICATION  
CONCENTRATION 0041/UG17**

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**

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**I. General Education (44 HOURS)**

*17 hours (BIOL 1114, CHEM 1114, COMM 1113, MATH 1513  
 or 2825 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 Biology**

**31-32**

**A. Required General Education**

4

\_\_\_ BIOL 1114 General Biology

**B. Required in the Biology Core**

16

\_\_\_ BIOL 1214 General Botany

\_\_\_ BIOL 1314 General Zoology

\_\_\_ BIOL 3434 Genetics

\_\_\_ BIOL 3634 Human Physiology

**C. Required for Concentration in Teacher  
 Certification**

11-12

\_\_\_ B/C/P 4113 Mthd Tch Biol/Phy Sci

\_\_\_ BIOL 4414 Ecology

One of the following:

\_\_\_ BIOL 2184 Human Anatomy

\_\_\_ BIOL 3245 Comparative Vertebrate Anatomy

**III. Related Work**

**36-38**

**A. Required General Education**

13-15

\_\_\_ CHEM 1114 General Chemistry I

\_\_\_ COMM 1113 Fundamentals of Human Comm

\_\_\_ MATH 1513 College Algebra **OR**

\_\_\_ MATH 2825 Calculus and Analytic Geometry I

\_\_\_ PSYCH 1113 General Psychology

**B. Required Related Work**

16

\_\_\_ CHEM 1214 General Chemistry II

\_\_\_ PHYS 1114 General Physics I

\_\_\_ PHYS 1214 General Physics II

\_\_\_ PHYS 1314 Astronomy

**C. Related Work Electives**

7

Select one of the following:

\_\_\_ CHEM 1314 General Organic and Biochemistry

\_\_\_ CHEM 3114 Organic Chemistry I

\_\_\_ CHEM 3214 Quantitative Analysis I

**AND**

\_\_\_ Three hours Earth Science 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 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

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**VI. Total Hours Required**

**124-127**

**VII. Special Requirements**

With departmental approval, students may omit MATH 1513 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.

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