

**EAST CENTRAL UNIVERSITY**  
**BIOLOGY - B.S.**  
**HEALTH SCIENCES CONCENTRATION**  
**004C/UG22**

Advisor \_\_\_\_\_

Student's Name \_\_\_\_\_ ID No. \_\_\_\_\_

**DEGREE CHECK INCLUDES CURRENT ENROLLMENT**

Checked by _____ Date _____	Work in progress _____	
<b>Required:</b>	<b>2.0 minimum required in the following areas:</b>	<b>Work lacking:</b>
124 total hours _____ completed	ECU Avg _____ Rtn Avg _____	Major _____ (inc A/C and Related Work)
30 hrs @ ECU _____ completed	Major Overall Avg _____	Minor _____ (incl Rel Wk)
(15 of last 30 must be at ECU) _____	Major ECU Avg _____	Prof Educ _____
60 hrs @ Sr College _____ completed	Minor Overall Avg _____	General Educ _____
40 hrs upper level _____ completed		Comp Prof ___ met ___ not met
HS Curricular Req ___ met ___ not met		

**REQUIREMENTS**

**HOURS**

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

14 hours (BIOL 1114, MATH 1513 or 2825, PHYS 1114 and PSYCH 1113) counted in the Major

Other hours needed **30**

**II. Major in Biology 45-48**

**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 3514 General Physiology **OR**

\_\_\_ BIOL 3634 Human Physiology

**C. Required for Concentration in Health Science 16-17**

\_\_\_ BIOL 2184 Human Anatomy **OR**

\_\_\_ BIOL 3245 Comparative Vertebrate Anatomy

\_\_\_ BIOL 2344 General Microbiology

\_\_\_ BIOL 4313 Cell and Molecular Biology

\_\_\_ BIOL 4414 Ecology

\_\_\_ BIOL 4881 Biology Senior Seminar

**D. Required Electives 9-11**

Three of the following:

\_\_\_ BIOL 2113 Medical Terminology

\_\_\_ BIOL 3013 Research Methods and Bioethics

\_\_\_ BIOL 3034 Medical Botany

\_\_\_ BIOL 3254 Medical Entomology

\_\_\_ BIOL 3623 Biochemistry of Human Disease

\_\_\_ BIOL 3654 Histology

\_\_\_ BIOL 3683 Immunology

\_\_\_ BIOL 4113 Vertebrate Embryology

\_\_\_ BIOL 4553 Pathogenic Microbiology

**III. Related Work**

**29-31**

**A. Required General Education 10-12**

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

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

\_\_\_ PHYS 1114 General Physics I

\_\_\_ PSYCH 1113 General Psychology

**B. Related Work Required 19**

\_\_\_ CHEM 1114 General Chemistry I

\_\_\_ CHEM 1214 General Chemistry II

\_\_\_ CHEM 3114 Organic Chemistry I

\_\_\_ PHYS 1214 General Physics II

One of the following:

\_\_\_ EHS 3703 Biostatistics & Envir Calculations

\_\_\_ MATH 1223 Intro to Probability and Statistics

\_\_\_ PSYCH 3833 Behavioral Science Statistics

\_\_\_ SOC 3833 Statistics for Social Sciences

**IV. Minor (Not Required)**

**V. Electives 15-20**

**VI. Total Hours Required 124**

**VII. Special Requirements**

"Teachers" or "methods" courses do not count in major.

The OSRHE computer proficiency graduation requirement will be met through completion of one of the courses in the institution's general education computer literacy option (including equated or substituted courses), or testing out of the challenge exam for one of these courses (all courses may not have challenge exams), **OR** successful completion of an Associate of Arts or Associate of Science degree at an Oklahoma two-year college in which the computer skills requirement was met. Satisfaction of this requirement may not reduce or remove any program requirements.