

## EAST CENTRAL UNIVERSITY

**BIOLOGY - B.S.  
CLINICAL LABORATORY SCIENTIST CONCENTRATION  
004A/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
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**REQUIREMENTS****HOURS****I. General Education (44 HOURS)**

*11 hours (BIOL 1114, CHEM 1114, and MATH 1513 or 2825) counted in the Major*

**Other hours needed 33**

**II. Major in Biology 62-63****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 Clinical Laboratory Scientist 42-43**

\_\_\_ BIOL 2344 Microbiology

\_\_\_ BIOL 3683 Immunology

\_\_\_ BIOL 4881 Biology Senior Seminar

\_\_\_ MEDTE 4117 Clinical Microbiology

\_\_\_ MEDTE 4125 Clinical Chemistry I

\_\_\_ MEDTE 4236 Clinical Hematology

\_\_\_ MEDTE 4246 Clinical Immunology/Immunoematology

\_\_\_ MEDTE 4325 Clinical Chemistry II

\_\_\_ MEDTE 4351 Topics in Med Tech

One of the following:

\_\_\_ BIOL 2184 Human Anatomy

\_\_\_ BIOL 3245 Comparative Vertebrate Anatomy

**III. Related Work****19-21****A. Required General Education 7-9**

\_\_\_ CHEM 1114 General Chemistry I

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

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

**B. Related Work Required 12**

\_\_\_ CHEM 1214 General Chemistry II

\_\_\_ CHEM 3114 Organic Chemistry I

\_\_\_ CHEM 4213 Biochemistry

\_\_\_ CHEM 4221 Biochemistry Lab

**IV. Minor (Not Required)****V. Electives 7-10****VI. Total Hours Required 124****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 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.