

**EAST CENTRAL UNIVERSITY**

**BIOLOGY - B.S.  
CLINICAL LABORATORY SCIENTIST CONCENTRATION  
004A/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)**

*11 hours (BIOL 1314, CHEM 1114, and MATH 1513) counted in the Major*

Other hours needed **34**

**II. Major in Biology – Clinical Laboratory Scientist 59**

**A. Required General Education 4**

\_\_\_ BIOL 1314 General Zoology

**B. Required in Biology CLS Major 55**

- \_\_\_ BIOL 2184 Human Anatomy
- \_\_\_ BIOL 2345 General Microbiology
- \_\_\_ BIOL 3434 Genetics
- \_\_\_ BIOL 3634 Human Physiology
- \_\_\_ BIOL 3654 Histology
- \_\_\_ 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/Immunohematology
- \_\_\_ MEDTE 4325 Clinical Chemistry II
- \_\_\_ MEDTE 4351 Topics in Medical Technology

**REQUIREMENTS**

**HOURS**

**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 10-12**

**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.

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. Students 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.
