

East Central University
 BIOLOGY- Clinical Lab Scientist Concentration
 Major Code=004A

Student Name:	Student ID #
30 hours at ECU completed	Advisor:
60 hours at Sr college completed	
40 hours upper level completed	OSRHE Computer Proficiency Requirement met

Requirements	Hours	Hours
<i>Courses highlighted in blue are general education courses.</i>		
I. General Education A11:K3	40	19-21

A maximum of 12 hours may be counted in both the major/related work and general education.

II. Major in Biology **62-63**

A. Required Core Courses 20		
BIOL	1114	General Biology
BIOL	1214	General Botany
BIOL	1314	General Zoology
BIOL	3434	Genetics
BIOL	3514	General Physiology OR
BIOL	3634	Human Physiology

B. Required in Clinical Lab Science Concentration **42-43**

BIOL	2344	General Microbiology
BIOL	3683	Immunology
BIOL	4881	Senior Seminar
MEDTE	4117	Clinical Microbiology
MEDTE	4125	Clinical Chemistry I
MEDTE	4236	Clinical Hematology
MEDTE	4246	Clinical Immunology
MEDTE	4325	Clinical Chemistry II
MEDTE	4351	Topics in Med Tech
One of Following:		
BIOL	2184	Human Anatomy
BIOL	3245	Comparative Vertebrate Anatomy

III. Required Related Work **19-21**

CHEM	1114	General Chemistry I
CHEM	1214	General Chemistry II
CHEM	3114	Organic Chemistry I
CHEM	4213	Biochemistry
CHEM	4221	Biochemistry Lab
MATH	1513	College Algebra † OR
MATH	2825	Calculus and Analytic Geometry I

IV. Minor

Not required.

V. Electives **7-11**

An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

VI. Total Hours Required **120**

VII. Special Requirements

† With department approval, students may omit MATH 1513 and begin with MATH 2825.

Students interested in the 3+1 degree program (ECU-OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. degree). Complete information on the program can be obtained from the Records Office or the Department of Biological and Environmental Sciences.