

# East Central University

## BIOLOGY

MAJOR CODE= 0040

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>		
<b>I. General Education</b>	<b>40</b>	<b>III. Required Related Work</b>
		<b>23-25</b>

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

### II. Major in BIOLOGY 46

#### A. Required in Biology Core 19

BIOL	1114	General Biology I
BIOL	1134	General Biology II
BIOL	3434	Genetics

One of the following

BIOL	3514	General Physiology <b>OR</b>
BIOL	3634	Human Physiology
BIOL	4883	Biology Senior Seminar

#### B. Required in BIOLOGY Major 11

BIOL	2344	Microbiology
BIOL	4313	Cell and Molecular Biology
BIOL	4414	General Ecology

#### D. Required Electives 16

16 hrs of elective biology with minimum of  
11 hrs in 3000-4000 level courses (NOT BIOL 4473  
and BIOL 4713)

#### E. Recommended Related Electives

CHEM	4114	Organic Chemistry II
CHEM	4213	Biochemistry
CHEM	4221	Biochemistry Lab
BIOL	3703	Biostatistics

CHEM	1114	General Chemistry I
CHEM	1214	General Chemistry II
CHEM	3114	Organic Chemistry I
MATH	1513	College Algebra † <b>OR</b>
MATH	2825	Calculus and Analytic Geometry I
PHYS	1114	General Physics I
PHYS	1214	General Physics II

### V. Electives 21-23

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

"Teachers" or "methods" courses may not be counted in the major.

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.

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