

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
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*Courses highlighted in blue are general education courses.*

<b>I. General Education</b>	<b>40</b>
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*A maximum of 12 hours may be counted in both the major/related work and general education.*

<b>II. Major in BIOLOGY</b>	<b>48</b>
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A. Required in Biology Core	20
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BIOL	1114	General Biology
BIOL	1214	General Botany
BIOL	1314	General Zoology
BIOL	3434	Genetics

One of the following

BIOL	3514	General Physiology <b>OR</b>
BIOL	3634	Human Physiology

B. Required in BIOLOGY Major	12
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BIOL	2344	Microbiology
BIOL	4313	Cell and Molecular Biology
BIOL	4414	General Ecology
BIOL	4881	Biology Senior Seminar

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

D. Recommended Related Electives	
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CHEM	4114	Organic Chemistry II
CHEM	4213	Biochemistry
CHEM	4221	Biochemistry Lab
EHS	3703	Biostatistics
MATH	1223	Intro. To probability and Statistics
PSYCH	3833	Behavioral Science Statistics
SOC	3833	Statistics for Social Sciences

<b>III. Required Related Work</b>	<b>23</b>
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CHEM	1114	General Chemistry I
CHEM	1214	General Chemistry II
CHEM	3114	Organic Chemistry I
MATH	1513	College Algebra †
PHYS	1114	General Physics I
PHYS	1214	General Physics II

<b>IV Electives</b>	<b>20</b>
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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.

<b>VI. Total Hours Required</b>	<b>120</b>
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<b>VII. Special Requirements</b>	
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"Teachers" or "methods" courses may not be counted in the major.

A pre-medicine or pre-dentistry student may earn the bachelor of science degree by completing three years of work in the bachelor of science degree program and one year in a professional school. Complete information may be obtained from the Records Office.

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