

East Central University  
BIOLOGY- ECOLOGY Conc.  
Major Code=004B

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	Requirements	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: Ecology</b>	<b>57</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
BIOL 3514	General Physiology OR
BIOL 3634	Human Physiology

B. Required in Ecology Concentration	22
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BIOL 2002	Intro. Research Experience
BIOL 3245	Comparative Vertebrate Anatomy
BIOL 3934	Limnology
BIOL 4123	Evolution
BIOL 4323	Experimental Design in Biol. Science
BIOL 4414	General Ecology
BIOL 4881	Senior Seminar

C. Required Electives	16
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16 hrs elective courses in biology with minimum of 12hrs in 3000-4000 level courses (NOT BIOL 4473, 4713)

III. Required Related Work			26-28
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CHEM 1114	General Chemistry I
CHEM 1214	General Chemistry II
CHEM 3114	Organic Chemistry I
MATH 1513	College Algebra † OR
MATH 2825	Calculus and Analytic Geometry I
PHYS 1114	General Physics I
PHYS 1214	General Physics II

*Choose one of the following:* 3

EHS 3703	Biostatistics
MATH 1223	Intro. To Probability and Statistics
PSYCH 3833	Behavioral Science Statistics
SOC 3833	Stats for Social Sciences
PSYCH 3833	Behavioral Science Statistics
SOC 3833	Statistics for Social Sciences

IV. Electives			5-8
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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>V. Total Hours</b>			<b>120</b>
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<b>VI. Special Requirements</b>			
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Teachers or methods courses do not count in this major

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