

East Central University  
 BIOLOGY- ECOLOGY Conc.  
 Major Code=004B / 2024-2025 Academic Catalog

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
<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>26-28</b>
<i>A maximum of 12 hours may be counted in both the major/related work and general education.</i>		CHEM 1114 General Chemistry I	
		CHEM 1214 General Chemistry II	
<b>II. Major in Biology: Ecology</b> <span style="float: right;"><b>57</b></span>		CHEM 3114 Organic Chemistry I	
		MATH 1513 College Algebra † <b>OR</b>	
<b>A. Required in Biology Core</b> <span style="float: right;"><b>20</b></span>		MATH 2825 Calculus and Analytic Geometry I	
		PHYS 1114 General Physics I	
BIOL 1114 General Biology BIOL 1214 General Botany BIOL 1314 General Zoology BIOL 3434 Genetics BIOL 3514 General Physiology <b>OR</b> BIOL 3634 Human Physiology		PHYS 1214 General Physics II	
		<i>Choose one of the following:</i> <span style="float: right;"><b>3</b></span>	
		EHS 3703 Biostatistics	
		MATH 1223 Intro. To Probability and Statistics	
		PSYCH 3833 Behavioral Science Statistics	
<b>B. Required in Ecology Concentration</b> <span style="float: right;"><b>21</b></span>		SOC 3833 Stats for Social Sciences	
		<b>IV. Electives</b>	<b>6-9</b>
		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>
		<b>VI. Special Requirements</b>	
<b>C. Required Electives</b> <span style="float: right;"><b>16</b></span> 16 hrs elective courses in biology with minimum of 12hrs in 3000-4000 level courses (NOT BIOL 4473, 4713)		Teachers or methods courses do not count in this major	

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