

**East Central University**  
**College of Health and Sciences**  
**2023-2024 Biology (Ecology) - Degree Plan**

**FIRST YEAR**

**Fall Semester**

BIOL 1114 General Biology  
 ENGL 1113 Freshman Composition I  
 MATH 1513 College Algebra  
 PS 1113 United States Government  
 UNIV 1001 Tiger Connect

**14 TOTAL HOURS**

**Spring Semester**

BIOL 1314 General Zoology  
 CHEM 1114 General Chemistry I  
 \_\_\_3 Written Communication  
 \_\_\_3 General Education-Cultural  
 \_\_\_3 General Education-Cultural

**17 TOTAL HOURS**

**SECOND YEAR**

**Fall Semester**

BIOL 1214 General Botany  
 CHEM 1214 General Chemistry II  
 BIOL 3934 Limnology  
 \_\_\_3 Civic Consciousness Course

**15 TOTAL HOURS**

**Spring Semester**

CHEM 3114 Organic Chemistry I  
 BIOL 3514 General Physiology  
 BIOL 2002 Intro. to Research Experience  
 BIOL 2/3\_\_\_4 Biology Required Elective  
 \_\_\_3 Expl. & Pers. Enrich. (Intercultural Knowledge and Competence if not yet met)

**17 TOTAL HOURS**

**THIRD YEAR**

**Fall Semester**

BIOL 4123 Evolution  
 BIOL/EHS 3703 Biostatistics  
 PHYS 1114 General Physics I  
 BIOL 4414 General Ecology  
 \_\_\_3 General Education-Elective (Global Citizenship if not yet met)

**17 TOTAL HOURS**

**Spring Semester**

BIOL 3245 Comparative Vertebrate Anatomy  
 BIOL 3434 Genetics  
 PHYS 1214 General Physics II  
 \_\_\_3 Biology Required Elective

**16 TOTAL HOURS**

**FOURTH YEAR**

**Fall Semester**

BIOL 3/4\_\_\_4 Biology Upper Level Required Electives  
 BIOL 4323 Experimental Design in Biol. Science  
 \_\_\_3 Elective  
 \_\_\_4 General Education-Elective

**14 TOTAL HOURS**

**Spring Semester**

BIOL 4881 Biology Senior Seminar  
 BIOL 3/4\_\_\_4 Biology Upper Level Required Electives  
 \_\_\_4 Elective  
 \_\_\_3 Elective

**12 TOTAL HOURS**