

East Central University

College of Health Sciences

2024-2025 Biology - Molecular Biology 0049

FIRST YEAR	
Fall Semester BIOL1114 General Biology MATH1513 College Algebra ENG1113 Freshman Composition I ___3 General Education-Cultural (IKC*) UNIV1001 Tiger Connect 14 TOTAL HOURS	Spring Semester BIOL1214 General Botany CHEM1114 General Chemistry I ___3 General Education-Cultural (GC*) ___3 Written Communication 14 TOTAL HOURS
SECOND YEAR	
Fall Semester BIOL2344 General Microbiology CHEM1214 General Chemistry II ___3 Required Molecular Elective ___3 General Ed-Exploration (any SLO*) ___3 Elective 17 TOTAL HOURS	Spring Semester BIOL2184 Hum. Anatomy or BIOL3245 CHEM3114 Organic Chemistry I MATH2613 Calc. for Bus., Life, Soc. Sci PS1113 US Government 14 TOTAL HOURS
THIRD YEAR	
Fall Semester BIOL4313 Cell & Molecular Biology BIOL3__4 Gen OR Human Physiology BIOL1314 General Zoology EHS3703 Biostatistics 14 TOTAL HOURS	Spring Semester BIOL3013 Research Methods & Bioethics BIOL3434 Genetics ___3 Required Molecular Elective HIST24-3 United States History ___3 General Education Elective 16 TOTAL HOURS
FOURTH YEAR	
Fall Semester CHEM4213 Biochemistry CHEM4221 Biochemistry Lab PHYS1114 General Physics I ___4 General Education Elective ___3 Elective 15 TOTAL HOURS	Spring Semester BIOL4545 Adv. Molecular Biology BIOL4881 Biology Senior Seminar ___3 Required Molecular Elective PHYS1214 General Physics II ___3 Elective 16 TOTAL HOURS

120 TOTAL HOURS

*GC= Global Citizenship; IKC=Intercultural Knowledge and Competence are both required but interchangeable

**remaining 7hr of GenEd electives cannot also be listed as required on major degree sheet