

East Central University

College of Health Sciences

2024-2025 Biology - Molecular Biology 0049

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

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