

East Central University
College of Health Sciences
2025-2026 Biology - Molecular Biology 0049

FIRST YEAR	
<p style="text-align: center;">Fall Semester</p> BIOL1114 General Biology MATH1513 College Algebra ENG1113 Freshman Composition I ___3 General Education-Cultural (IKC*) UNIV1001 Tiger Connect <p style="text-align: center;">14 TOTAL HOURS</p>	<p style="text-align: center;">Spring Semester</p> BIOL1134 General BiologyII CHEM1114 General Chemistry I ___3 General Education-Cultural (GC*) ___3 Written Communication PS1113 US Government <p style="text-align: center;">17 TOTAL HOURS</p>
SECOND YEAR	
<p style="text-align: center;">Fall Semester</p> BIOL2344 General Microbiology CHEM1214 General Chemistry II ___4 Required Molecular Elective ___3 General Ed-Exploration (any SLO*) <p style="text-align: center;">15 TOTAL HOURS</p>	<p style="text-align: center;">Spring Semester</p> BIOL3434 Genetics CHEM3114 Organic Chemistry I MATH2613 Calc. for Bus., Life, Soc. Sci ___3 General Education Elective <p style="text-align: center;">14 TOTAL HOURS</p>
THIRD YEAR	
<p style="text-align: center;">Fall Semester</p> BIOL4313 Cell & Molecular Biology BIOL3__4 Gen OR Human Physiology PHYS1114 General Physics I CHEM4213 Biochemistry CHEM4221 Biochemistry Lab ___3 Required Molecular Elective <p style="text-align: center;">18 TOTAL HOURS (MCAT prep)</p>	<p style="text-align: center;">Spring Semester</p> BIOL3013 Research Methods & Bioethics ___3 Required Molecular Elective ___4 Elective PHYS1214 General Physics II <p style="text-align: center;">14 TOTAL HOURS</p>
FOURTH YEAR	
<p style="text-align: center;">Fall Semester</p> EHS3703 Biostatistics ___3 General Education Elective ___4 Elective ___3 Elective HIST24-3 United States History <p style="text-align: center;">16 TOTAL HOURS</p>	<p style="text-align: center;">Spring Semester</p> BIOL4545 Adv. Molecular Biology BIOL4883 Biology Senior Seminar ___3 Required Molecular Elective ___1 Elective <p style="text-align: center;">12 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