

East Central University
College of Health Sciences
2023-2024 Biology - Molecular Biology 0049

FIRST YEAR	
<p style="text-align: center;">Fall Semester</p> <p>BIOL1114 General Biology MATH1513 College Algebra UNIV1001 Tiger Connect ENG1113 Freshman Composition I ___3 General Education-Cultural (IKC)</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 Education-Exploration ___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 2__3 Civic Consciousness ___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;">16 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