

# East Central University

## College of Health Sciences

### 2025-2026 Biology - Medical Laboratory Sciences

004A

#### FIRST YEAR

##### Fall Semester

BIOL 1114 General Biology I  
MATH1513 College Algebra  
ENG1113 Freshman Composition I  
PS 1113 United States Government  
UNIV1001 Tiger Connect

**14 TOTAL HOURS**

##### Spring Semester

BIOL 1134 General Biology II  
CHEM1114 General Chemistry I  
\_\_\_3 General Education-Cultural (GC\*)  
\_\_\_3 Written Communication

**14 TOTAL HOURS**

#### SECOND YEAR

##### Fall Semester

\_\_\_3 General Education-Cultural (IKC\*)  
BIOL2184 Human Anatomy  
CHEM1214 General Chemistry II  
\_\_\_3 General Education-Exploration(any SLO\*)

**14 TOTAL HOURS**

##### Spring Semester

BIOL2344 General Microbiology  
CHEM3114 Organic Chemistry I  
HIST24-3 United States History  
\_\_\_3 General Ed. Elective\*\* (cmptpr prof)  
\_\_\_3 Electives

**17 TOTAL HOURS**

#### THIRD YEAR

##### Fall Semester

BIOL3634 Human Physiology  
CHEM4213 Biochemistry (FA only)  
CHEM4221 Biochemistry Lab  
\_\_\_3 General Ed. Elective\*\* (any SLO)  
\_\_\_4 Elective

**15 TOTAL HOURS**

##### Spring Semester

BIOL3434 Genetics  
BIOL3683 Immunology  
\_\_\_4 Electives  
\_\_\_3 General Ed. Elective\*\* (any SLO)  
BIOL4882 Biology Senior Seminar

**16 TOTAL HOURS**

#### FOURTH YEAR

##### Fall Semester

MEDTE4117 Clinical Microbiology  
MEDTE4125 Clinical Chemistry I

**12 TOTAL HOURS**

##### Spring Semester

MEDTE4236 Clinical Hematology  
MEDTE4246 Clinical Immuno.

**12 TOTAL HOURS**

##### Summer Semester

MEDTE4325 Clinical Chemistry II  
MEDTE4351 Topicsin Med. Tech.

**6 TOTAL HOURS**

**120 hours**

\*GC= Global Citizenship; IKC=Intercultural

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