

COLLEGE OF HEALTH AND SCIENCES

CHEMISTRY-BIOCHEMISTRY DEGREE PLAN

2025-2026

FIRST YEAR- FRESHMAN (34-35 HRS)

Fall Semester

MATH 1513 College Algebra*
 CHEM 1114 General Chemistry I*
 ENG 1113 Freshman Composition I*
 BIOL 1114 General Biology*
 UNIV 1001 Tiger Connect*
 General Education or Elective (3 hours)*

17-18 TOTAL HOURS

Spring Semester

MATH 1713 Trigonometry
 CHEM 1214 General Chemistry II
 ENG 1213 Freshmen Composition II*
 PS 1113 United States Government*
 BIOL 1314 General Zoology*
OR
 BIOL 2344 General Microbiology

17 TOTAL HOURS

SECOND YEAR-SOPHOMORE (34-36 HRS)

Fall Semester

CHEM 3114 Organic Chemistry I
 MATH 2825 Calculus and Analytic Geometry I
 PHYS 1114 General Physics I*
OR
 PHYS 2115 Engineering Physics I
 BIOL 2184 Human Anatomy

17-18 TOTAL HOURS

Spring Semester

CHEM 4114 Organic Chemistry II
 PHYS 1214 General Physics II
OR
 PHYS 2225 Engineering Physics II
 HIST 24-3 United States History Survey*
 General Education or Elective (3 hours)*
 Computer Proficiency Requirement*

17-18 TOTAL HOURS

THIRD YEAR - JUNIOR (28-HRS)

Fall Semester

CHEM 4514 Physical Chemistry I^
 CHEM 4213 Biochemistry
 CHEM 4221 Biochemistry Lab
 BIOL 4313 Cell and Molecular Biology
 General Education or Elective (3 hours)*

14 TOTAL HOURS

Spring Semester

CHEM 4413 Advanced Inorganic Chemistry^^^
 BIOL 3634 Human Physiology
 General Education or Elective (7 hours)*

14 TOTAL HOURS

FOURTH YEAR - SENIOR (30-HRS)

Fall Semester

CHEM 3214 Quantitative Analysis I
 General Education or Electives (11 hours)*

15 TOTAL HOURS

Spring Semester

CHEM 4523 Advanced Biochemistry^^^^
 CHEM 3484 Instrumental Analysis^^
 General Education or Electives (7 hours)*

14 TOTAL HOURS

Legend:

* General Education Requirements

^ Offered Fall Semester of Even Year

^^ Offered Spring Semester of Even Years

^^^ Offered Spring Semester of Odd Years

^^^^ Offered TBA