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