

COLLEGE OF HEALTH AND SCIENCES

CHEMISTRY DEGREE PLAN

2025-2026

FIRST YEAR- FRESHMAN (30 HRS)

Fall Semester

MATH 1513 College Algebra*
 CHEM 1114 General Chemistry I*
 ENG 1113 Freshman Composition I*
 HIST 24-3 United States History Survey*
 UNIV 1001 Tiger Connect*

14 TOTAL HOURS

Spring Semester

MATH 1713 Trigonometry
 CHEM 1214 General Chemistry II
 ENG 1213 Freshmen Composition II*
 PS 1113 United States Government*
 General Education or Elective (3 hours)*

16 TOTAL HOURS

SECOND YEAR-SOPHOMORE (32-34 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
 Computer Proficiency Requirement

16-17 TOTAL HOURS

Spring Semester

CHEM 4114 Organic Chemistry II
 MATH 3025 Calculus and Analytic Geometry II
 PHYS 1214 General Physics II
OR
 PHYS 2225 Engineering Physics II
 General Education or Elective (3 hours)*

16-17 TOTAL HOURS

THIRD YEAR - JUNIOR (29-HRS)

Fall Semester

CHEM 4514 Physical Chemistry I^
 CHEM 3214 Quantitative Analysis I
 BIOL 1114 General Biology
 General Education or Elective (3 hours)*

15 TOTAL HOURS

Spring Semester

CHEM 4413 Advanced Inorganic Chemistry^^
 CHEM ---1 Required Chemistry Elective
 (CHEM 4421^^^ recommended)
 General Education or Elective (10 hours)

14 TOTAL HOURS

FOURTH YEAR - SENIOR (30-HRS)

Fall Semester

CHEM 4213 Biochemistry
 CHEM ---1 Required Chemistry Elective
 (CHEM 4221 recommended- offered every Fall)
 General Education or Elective (11 hours)*

15 TOTAL HOURS

Spring Semester

CHEM ---1 Required Chemistry Elective
 (CHEM 4614, 4981-4, 4991-4)^^^
 CHEM 3484 Instrumental Analysis^^
 General Education or Elective (10 hours)*

15 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