

COLLEGE OF HEALTH AND SCIENCES

PHYSICS DEGREE PLAN

2025-2026

FIRST YEAR- FRESHMAN (30-31 HRS)

Fall Semester

UNIV 1001 * Tiger Connect
 ENG 1113 * Freshman Composition I
 MATH 1513 * College Algebra
 MATH 1713 Trigonometry
 General Education Elective (2-3 hours)
 HIST 24-3 * United States History Survey

15-16 TOTAL HOURS

Spring Semester

ENG 1213 * Freshmen Composition II
 PS 1113 * United States Government
 MATH 2825 Calculus and Analytic Geometry I
 CHEM 1114 * General Chemistry I

15 TOTAL HOURS

SECOND YEAR-SOPHOMORE (32-34 HRS)

Fall Semester

CHEM 1214 General Chemistry II
 MATH 3025 Calculus and Analytic Geometry II
 PHYS 1114 * General Physics I
 OR PHYS 2115 Engineering Physics I
 General Education Elective (*COMM 1113
 Fundamentals of Human Communication
 recommended)

16-17 TOTAL HOURS

Spring Semester

PHYS 1214 General Physics II
 OR PHYS 2225 Engineering Physics II
 General Education Elective (3 hours)
 MATH 3033 Calculus and Analytic Geometry III
 CMPSC 1113 *Computer Programming I
 General Education Elective or Minor (3 hours)

16-17 TOTAL HOURS

THIRD YEAR - JUNIOR (30-HRS)

Fall Semester

MATH 4113 Differential Equations
 PHYS 4113 Electricity and Magnetism- Field Theory
 PHYS 3013 Modern Physics
 General Education Cultural and Aesthetic Awareness
 (IKC)(3 hours)
 General Education Elective (3 hours)

15 TOTAL HOURS

Spring Semester

PHYS 3813 Optics
 PHYS 3113 Mechanics I
 PHYS 3412 Junior Physics Laboratory
 General Education Elective (4 hours)
 General Education Elective (ENG 3183 * Technical
 and Professional Writing recommended)

15 TOTAL HOURS

FOURTH YEAR - SENIOR (26-HRS)

Fall Semester

PHYS 3713 Thermodynamics
 BIOL 1114 * General Biology
 General Education Electives or Minor (6 hours)

13 TOTAL HOURS

Spring Semester

PHYS 4313 Intro to Nuclear Physics
 PHYS 4513 Quantum Mechanics
 General Education Cultural and Aesthetic Awareness
 (GC)(3 hours)
 General Education Elective or Minor (4 hours)

13 TOTAL HOURS

Legend:

* General Education Requirements