COLLEGE OF HEALTH AND SCIENCES
PHYSICS DEGREE PLAN
2026-2027

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*