

East Central University
CHS - Physics BS (0350/UG24)
(2024-2025) Degree Plan

FIRST YEAR	
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 2483 United States History to 1877 OR *HIST 2493 United States history since 1877 15-16 TOTAL HOURS	Spring Semester *ENG 1213 Freshman Composition II *PS 1113 United States Government MATH 2825 Calculus & Analytic Geometry I *CHEM 1114 General Chemistry I 15 TOTAL HOURS
SECOND YEAR	
Fall Semester CHEM 1214 General Chemistry II MATH 3025 Calculus & Analytic Geometry II PHYS 2115 Engineering Physics I or *PHYS 1114 General Physics General Education Elective (*COMM 1113 Fundamen	Spring Semester PHYS 2225 Engineering Physics II or PHYS 1214 General Physics II General Education Elective (3 hours) MATH 3033 Calculus & Analytic Geometry III *CMPSC 1113 Computer Programming I Minor or Electives (3 hours)
16-17 TOTAL HOURS	16-17 TOTAL HOURS
	34
THIRD YEAR	
Fall Semester MATH 4113 Differential Equations PHYS 4113 Electricity & Magnetism - Field Theory PHYS 3013 Modern Physics Aesthetic Awareness (Intercultural Knowledge and C General Education Elective (3 hours)	Spring Semester PHYS 3813 Optics PHYS 3113 Mechanics I PHYS 3412 Junior Physics Laboratory General Education Elective (4 hours) Elective (*ENG 3183 Technical and Professional Writ
15 TOTAL HOURS	15 TOTAL HOURS
	29
FOURTH YEAR	
Fall Semester PHYS 4513 Quantum Mechanics *BIOL 1114 General Biology Minor or Electives (6 hours) PHYS 3713 Thermodynamics	Spring Semester PHYS 4313 Intro to Nuclear Physics PHYS 3713 Thermodynamics tural & Aesthetic Awareness (Global Citizenship-3 hou Minor or Electives (4 hours) PHYS 4513 Quantum Mechanics
13 TOTAL HOURS	13 TOTAL HOURS
* = General Education	26
	120