

East Central University
Physics - B.S.
0350/UG24

Student Name: _____	Student ID # _____
30 hours at ECU completed _____	Advisor: _____
60 hours at Sr college completed _____	
40 hours upper level completed _____	OSRHE Computer Proficiency Requirement met _____

Requirements	Hours	Hours
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Courses highlighted in blue are general education courses.

I. General Education	40
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A maximum of twelve hours may be applied to both the major/related work and general education.

II. Major in Physics	35
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A. Required in the Physics Core	15
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PHYS 2115	Engineering Physics I
PHYS 2225	Engineering Physics II
PHYS 3013	Modern Physics
PHYS 3412	Junior Physics Laboratory

B. Required in the Physics Major	18
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PHYS 3113	Mechanics I
PHYS 3713	Thermodynamics
PHYS 3813	Optics
PHYS 4113	Electricity & Magnetism-Field Theory
PHYS 4313	Introduction to Nuclear Physics
PHYS 4513	Quantum Mechanics

C. Required Electives	2
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Two hours Physics electives (3xxx-4xxx)

III. Related Work	27-33
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CHEM 1114	General Chemistry I
CHEM 1214	General Chemistry II
CMPSC 1113	Computer Programming I
MATH 1513	College Algebra †
MATH 1713	Trigonometry †
MATH 2825	Calculus & Analytic Geometry I
MATH 3025	Calculus & Analytic Geometry II
MATH 3033	Calculus & Analytic Geometry III
MATH 4113	Differential Equations

IV. Minor (Not Required)

V. Electives	22-28
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An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

VI. Total Hours Required	120
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VII. Special Requirements

† With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825

“Teachers” or “methods” courses do not count in the major.