

East Central University  
Physics - B.S. Teacher Certification Concentration  
0351/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	Requirements	Hours
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*Courses highlighted in blue are general education courses.*

<b>I. General Education</b>	<b>40</b>	<b>B. Required Related Work Electives</b>	<b>7</b>
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*17 hours (BIOL 1214 or 1314, CHEM 1114, COMM 1113, MATH 1513, and PSYCH 1113) counted in the major.  
Demonstrate novice high competency in a Foreign Language or American Sign Language course with a C or higher.*

<b>II. Major in Physics</b>	<b>30</b>	<b>IV. Minor</b>	<b>0</b>
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A. Required in the Physics Core	15
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PHYS 2115 Engineering Physics I  
PHYS 2115 Engineering Physics II  
PHYS 3013 Modern Physics  
PHYS 3412 Junior Physics Laboratory

B. Required for Concentration in Teacher Certification	13
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B/C/P 4113 Methods of Teaching Bio  
PHYS 1314 Astronomy  
PHYS 3113 Mechanics I  
PHYS 4113 Electricity & Magnetism-

C. Required Electives	2
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Two Hours Physics Electives  
(Not PHYS 3222 or 4222)

<b>III. Related Work</b>	<b>39-45</b>
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A. Required Related Work	32-38
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BIOL 1114 General Biology  
CHEM 1114 General Chemistry I  
CHEM 1214 General Chemistry II

Seven hours chemistry electives

Professional Education is used as the minor and no other minor is required.

<b>V. Professional Education</b>	<b>30</b>
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EDUC 2402 Survey of Excep Child  
PSYCH 3463 Child and Adolescent Psych.  
EDUC 2012 Founations of Educ  
EDUC 2631 Founations of Educ Technology  
EDUC 2211 Field Experience I  
EDPSY 3513 Educ Psych  
EDUC 3001 Field Experience II  
EDUC 4052 Effective Tchg for Secondary Education  
EDUC 4611 Field Experience III  
EDUC 4632 Education Technology Integration Strategies  
EDUC 4262 Student Teaching Seminar I  
EDUC 4282 Student Teaching Seminar II  
EDUC 4974 Sup Student Tchg Secondary School  
EDUC 4974 Sup Student Tchg Secondary School

<b>VI. Total Hours Rquired</b>	<b>122-128</b>
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<b>VII. Special Requirements</b>
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† Students with appropriate background from high school may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825

COMM 1113 Fundamentals of Human Communication

GEOG 1214 Earth Science

MATH 1513 College Algebra †

MATH 1713 Trigonometry†

MATH 2825 Calculus and Analytic Geometry I

MATH 3025 Calculus and Analytic Geometry II

PSYCH 1113 General Psychology