

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 <input type="checkbox"/>

Requirements	Hours	Hours
<i>Courses highlighted in blue are general education courses.</i>		
<b>I. General Education</b>	<b>40</b>	
<i>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.</i>		
<b>II. Major in Physics</b>	<b>30</b>	
A. Required in the Physics Core <span style="float: right;">15</span>		
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 <span style="float: right;">13</span>		
B/C/P 4113	Methods of Teaching Bio	
PHYS 1314	Astronomy	
PHYS 3113	Mechanics I	
PHYS 4113	Electricity & Magnetism-	
C. Required Electives <span style="float: right;">2</span>		
Two Hours Physics Electives (Not PHYS 3222 or 4222)		
<b>III. Related Work</b>	<b>39-45</b>	
A. Required Related Work <span style="float: right;">32-38</span>		
BIOL 1114	General Biology	
CHEM 1114	General Chemistry I	
CHEM 1214	General Chemistry II	
B. Required Related Work Electives <span style="float: right;">7</span>		
Seven hours chemistry electives		
<b>IV. Minor</b>		<b>0</b>
Professional Education is used as the minor and no other minor is required.		
<b>V. Professional Education</b>		<b>30</b>
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>
<b>VII. Special Requirements</b>		
† 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