

East Central University
 Physics - B.S. Teacher Certification Concentration
 0351/UG22

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
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Courses highlighted in blue are general education courses.

I. General Education	40	
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B. Required Related Work Electives	7	
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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.

Seven hours chemistry electives

II. Major in Physics	30	
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IV. Minor	0	
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Professional Education is used as the minor and no other minor is required.

A. Required in the Physics Core	15	
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V. Professional Education	30	
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- PHYS 2115 Engineering Physics I
- PHYS 2115 Engineering Physics II
- PHYS 3013 Modern Physics
- PHYS 3412 Junior Physics Laboratory

EDUC 2402 Survey of Excep Child		
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B. Required for Concentration in Teacher Certification	13	
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- B/C/P 4113 Methods of Teaching Biol
- PHYS 1314 Astronomy
- PHYS 3113 Mechanics I
- PHYS 4113 Electricity & Magnetism-I

PSYCH 3463 Child and Adolescent Psych.		
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- 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

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

VI. Total Hours Required	122-128	
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III. Related Work	39-45	
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VII. Special Requirements		
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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
- 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

† Students with appropriate background from high school may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825