

EAST CENTRAL UNIVERSITY

**PHYSICS - B.S.
0350/UG07-UG12**

Advisor _____

Student's Name _____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ Date _____ Required: 124 total hours _____ completed 30 hrs @ ECU _____ completed (15 of last 30 must be at ECU) _____ 60 hrs @ Sr College _____ completed 40 hrs upper level _____ completed HS Curricular Req ___ met ___ not met	Work in progress _____ 2.0 minimum required in the following areas: ECU Avg _____ Rtn Avg _____ Major Overall Avg _____ Major ECU Avg _____ Minor Overall Avg _____ Minor ECU Avg _____	Work lacking: Major _____ (inc A/C and Related Work) Minor _____ (incl Rel Wk) Prof Educ _____ General Educ _____ Comp Prof ___ met ___ not met Serv Lrng ___ met ___ not met
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<u>REQUIREMENTS</u>	<u>HOURS</u>	<u>REQUIREMENTS</u>	<u>HOURS</u>
I. General Education (45 HOURS)		B. Required Related Work	20-23
<i>10 hours (CMPSC 1113, CHEM 1114, and MATH 1513) counted in the Major</i>		___ CHEM 1214 General Chemistry II	
Other hours needed	35	___ 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	
II. Major in Physics	35	IV. Minor (Not Required)	
A. Required in the Physics Major	32	V. Electives	21-27
___ PHYS 2115 Engineering Physics I		VI. Total Hours Required	124
___ PHYS 2225 Engineering Physics II		VII. Special Requirements	
___ PHYS 3013 Modern Physics		"Teachers" or "methods" courses do not count in the major.	
___ PHYS 3113 Mechanics I		NOTE: Students having completed trigonometry in high school may, upon approval by the Department of Mathematics, omit MATH 1713. Students having completed high school algebra II may, upon approval by the Department of Mathematics, omit MATH 1513.	
___ PHYS 3411 Junior Physics Laboratory		The OSRHE computer proficiency graduation requirement will be met through completion of CMPSC 1113 (including equated or substituted courses), or testing out of the challenge exam for this course, <u>OR</u> successful completion of an associate of arts or associate of science degree at an Oklahoma two-year college in which the computer skills requirement was met. Satisfaction of this requirement may not reduce or remove any program requirements.	
___ PHYS 3713 Thermodynamics		Students beginning at East Central University in the fall 2007 semester or later who have earned less than sixty-four semester hours are required to take two classes with designated service-learning component. Students transferring to ECU for the first time in the fall 2007 semester or later with sixty-four or more semester hours will be required to take one class with a service-learning component.	
___ PHYS 3813 Optics			
___ PHYS 4113 Electricity & Magnetism-Field Theory			
___ PHYS 4313 Introduction to Nuclear Physics			
___ PHYS 4513 Quantum Mechanics			
B. Required Electives	3		
Three hours Physics electives (3000-4000)			
III. Related Work	27-33		
A. Required Electives	7-10		
___ CHEM 1114 General Chemistry I			
___ CMPSC 1113 Computer Programming I			
___ MATH 1513 College Algebra			
