

EAST CENTRAL UNIVERSITY

Name

PHYSICS - B.S.  
0350/UG18

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 \_\_\_\_\_

Work lacking:  
 Major \_\_\_\_\_ (inc A/C and Related Work)  
 Minor \_\_\_\_\_ (incl Rel Wk)  
 Prof Educ \_\_\_\_\_  
 General Educ \_\_\_\_\_  
 Comp Prof \_\_\_ met \_\_\_ not met

<u>REQUIREMENTS</u>	<u>HOURS</u>	<u>REQUIREMENTS</u>	<u>HOURS</u>
<b>I. General Education (44 HOURS)</b>		<b>B. Required Related Work</b>	20-23
<i>10 hours (CHEM 1114, CMPSC 1113, and MATH 1513) counted in the Major</i>		___ CHEM 1214 General Chemistry II	
Other hours needed	<b>34</b>	___ 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	
<b>II. Major in Physics</b>	<b>35</b>	<b>IV. Minor (Not Required)</b>	
<b>A. Required in the Physics Core</b>	15	<b>V. Electives</b>	22-28
___ PHYS 2115 Engineering Physics I			
___ PHYS 2225 Engineering Physics II		<b>VI. Total Hours Required</b>	<b>124</b>
___ PHYS 3013 Modern Physics		<b>VII. Special Requirements</b>	
___ PHYS 3412 Junior Physics Laboratory		"Teachers" or "methods" courses do not count in the major.	
<b>B. Required in the Physics Major</b>	18	With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.	
___ PHYS 3113 Mechanics I		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			
___ PHYS 3813 Optics			
___ PHYS 4113 Electricity & Magnetism-Field Theory			
___ PHYS 4313 Introduction to Nuclear Physics			
___ PHYS 4513 Quantum Mechanics			
<b>C. Required Electives</b>	2		
Two hours Physics electives (3000-4000)			
<b>III. Related Work</b>	<b>27-33</b>		
<b>A. Required Electives</b>	7-10		
___ CHEM 1114 General Chemistry I			
___ CMPSC 1113 Computer Programming I			
___ MATH 1513 College Algebra			

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