

EAST CENTRAL UNIVERSITY

**PHYSICS - B.S.
MEDICAL PHYSICS
CONCENTRATION 0353/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

REQUIREMENTS**HOURS****REQUIREMENTS****HOURS****I. General Education (44 HOURS)**

17 hours (BIOL 1114, CHEM 1114, CMPSC 1113, COMM 2253, and MATH 1513) counted in the Major

Other hours needed **27****II. Major in Physics **30******A. Required in the Physics Core 15**

- ___ PHYS 2115 Engineering Physics I
 ___ PHYS 2225 Engineering Physics II
 ___ PHYS 3013 Modern Physics
 ___ PHYS 3412 Junior Physics Laboratory

B. Required for Concentration in Medical Physics 15

- ___ PHYS 3222 Medical Physics
 ___ PHYS 3713 Thermodynamics
 ___ PHYS 4222 Xray & Nuclear Physics Lab
 ___ PHYS 4313 Introduction to Nuclear Physics

Five hours Physics electives (3000-4000 level)

III. Related Work **55-61****A. Required General Education 14-17**

- ___ BIOL 1114 General Biology
 ___ CHEM 1114 General Chemistry I
 ___ CMPSC 1113 Computer Programming I
 ___ COMM 2253 Communication in the Workplace
 ___ MATH 1513 College Algebra

B. Required Related Work

41-44

- ___ BIOL 2184 Human Anatomy
 ___ BIOL 3634 Human Physiology
 ___ CHEM 1214 General Chemistry II
 ___ CHEM 3114 Organic Chemistry I
 ___ ENG 3183 Technical & Professional Writing
 ___ 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

Select one of the following:

- ___ BIOL 2113 Medical Terminology
 ___ EHS 2413 Radiologic Health

Select one of the following:

- ___ MATH 3513 Mathematical Statistics
 ___ MATH 3583 Applied Statistics
 ___ SOC 3833 Statistics for Social Sciences

IV. Minor (Not Required)**V. Electives **6-12******VI. Total Hours Required **124******VII. Special Requirements**

"Teachers" or "methods" courses may not be counted in major.

With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.

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, OR 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.