EAST CENTRAL UNIVERSITY

PHYSICS - B.S.
MEDICAL PHYSICS CONCENTRATION
0353/UG16

Advisor _____

Student's Name_____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ Date _____   Work in progress_____
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

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

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)

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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.