EAST CENTRAL UNIVERSITY
PHYSICS - B.S.
MEDICAL PHYSICS CONCENTRATION
0353/UG21

Advisor _____

Student's Name_____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ **Date** _____	**Work in progress**_____	
Required:	**2.0 minimum required in the following areas:**	**Work lacking:**
124 total hours _____ **completed**		**Major** _____ **(inc A/C and Related Work)**
30 hrs @ ECU_____ **completed**	**ECU Avg** _____ **Rtn Avg** _____	**Minor** _____ **(incl Rel Wk)**
(15 of last 30 must be at ECU) _____	**Major Overall Avg** _____	**Prof Educ** _____
60 hrs @ Sr College _____ **completed**	**Major ECU Avg**_____	**General Educ** ____
40 hrs upper level _____ **completed**	**Minor Overall Avg** _____	**Comp Prof** ___ **met** ___ **not met**
HS Curricular Req __ **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

REQUIREMENTS   HOURS

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, <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.