

## EAST CENTRAL UNIVERSITY

**PHYSICS - B.S.**  
**MEDICAL PHYSICS CONCENTRATION**  
**0353/UG07-UG11**

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

**REQUIREMENTS****HOURS****I. General Education (45 HOURS)**

17 hours (BIOL 1314, CHEM 1114, CMPSC 1113, COMM 2253,  
 and MATH 1513) counted in the Major

Other hours needed **28****II. Major in Medical Physics****30**

- \_\_\_ PHYS 2115 Engineering Physics I
- \_\_\_ PHYS 2225 Engineering Physics II
- \_\_\_ PHYS 3013 Modern Physics
- \_\_\_ PHYS 3222 Medical Physics
- \_\_\_ PHYS 3411 Junior Physics Laboratory
- \_\_\_ PHYS 3713 Thermodynamics
- \_\_\_ PHYS 4222 Xray & Nuclear Physics Lab
- \_\_\_ PHYS 4313 Introduction to Nuclear Physics
- Six hours Physics electives (3000-4000)

**III. Related Work****61****A. Required General Education**

17

- \_\_\_ BIOL 1314 General Zoology
- \_\_\_ 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**

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 3513 Mathematical Statistics
- \_\_\_ MATH 4113 Differential Equations
- Select one of the following:
- \_\_\_ EHS 2413 Radiologic Health
- \_\_\_ HIM 2113 Medical Terminology

**IV. Minor (Not Required)****V. Electives**

5

**VI. Total Hours Required****124****VII. Special Requirements**

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

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.

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.