

**TRUMAN STATE UNIVERSITY
B.A. PHYSICS DEGREE WORKSHEET**

Leading to a Physics Certification, Grades 9-12 -- For Students Interested in Pursuing the M.A.E. Degree

2005-2007 CATALOG REQUIREMENTS

NAME: _____ ID# _____ DATE: _____

Each course may be used only once on this worksheet, with the following exceptions: (1) a course used to fulfill any requirement in a student's degree program may also be used to fulfill the Intercultural Perspective, Missouri Statute, and/or Writing Enhanced requirement, if also approved for that area, and (2) some required support courses may also be used to fulfill additional requirements, as indicated on this worksheet with an asterisk (*).

LIBERAL STUDIES PROGRAM

Essential Skills

ENG 190 Writing as Critical Thinking

Sem	Cr	Grade
	3	

COMM 170 Public Speaking

Sem	Cr	Grade
	3	

MATH 186 Elementary Functions

Sem	Cr	Grade
	3	

OR MATH 156 College Algebra

Sem	Cr	Grade
	3	

AND MATH 157 Plane Trigonometry

Sem	Cr	Grade
	2	

Satisfactory completion of a higher level Mathematics course in the Mathematical Mode of Inquiry fulfills this requirement.

STAT 190 Basic Statistics

Sem	Cr	Grade
	3	

OR STAT 290 Statistics

Sem	Cr	Grade
	3	

Personal Well Being

Sem	Cr	Grade

Modes of Inquiry

Complete seven of the following eight Modes of Inquiry. Courses used to fulfill the Modes of Inquiry must be among those listed in the Liberal Studies Program pages of the 2005-2007 General Catalog.

Aesthetic: Fine Arts

Sem	Cr	Grade
	3	

Aesthetic: Literature

Sem	Cr	Grade
	3	

Historical

Sem	Cr	Grade
	3	

Mathematical

Sem	Cr	Grade
	5	

MATH 198 Analytic Geometry & Calculus I*

Philosophical/Religious

Sem	Cr	Grade
	3	

Scientific: Life Science

Sem	Cr	Grade
	4	

BIOL course is required

Scientific: Physical Science

Sem	Cr	Grade
	5	

CHEM 120 Chemical Principles I*

Social Scientific

Sem	Cr	Grade
	3	

Interconnecting Perspectives

Truman Week Program

Sem	Cr	Grade
	1	

JINS (Interdisciplinary WE Junior Seminar)

Sem	Cr	Grade
	3	

Intercultural Perspective

Sem	Cr	Grade

Elementary Foreign Language

Sem	Cr	Grade

Successfully complete the first year of a single foreign language, or demonstrate elementary proficiency as determined by a proficiency examination, or successfully complete an intermediate or higher level foreign language course.

DEGREE REQUIREMENTS

Missouri Statute Course

Sem	Cr	Grade

Two Writing-Enhanced Courses

Sem	Cr	Grade

In addition to the JINS course listed above.
PHYS 388 Advanced Laboratory

Sem	Cr	Grade

ED 389 Foundations of Education

Sem	Cr	Grade

In addition, Physics majors must also fulfill the following minimum requirements for graduation:

- A 2.0 Truman grade point average.
- A 2.0 major gpa
- A 2.00 cumulative gpa
- 40 hours of 300-400 level courses.
- 63 hours of liberal arts and sciences coursework.
- 124 total hours of undergraduate coursework
- Assessment, residency, and all other requirements as outlined in the *General Catalog*, including a score at the 20th percentile or higher on the MFAT Senior Exam.

