

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

Leading to a Unified Science Certification with a Physics Endorsement, 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 107 Introductory Biology I

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.

