

PHYSICS EDUCATION (PHSE) BACHELOR of ARTS
With Concurrent Major in Physics
Wyoming Teacher Education Program

Total credit requirement: 122 minimum
48 credit hours must be upper division

Effective: Spring 2007
Updated: March 2008

Name: _____

Evaluated by: _____

W#:

Matric. Date:

Date:

WY Comm. College Transfers – WYO Core completed? Y__ N__

UNIVERSITY STUDIES PROGRAM REQUIREMENTS
CORE COMPONENTS:

Intellectual Community (1 course, 1-4 credits)

____ (I) _____

Not required if transferring 16 or more credits to UW from any institution.

Writing 1 (1 course, minimum 3 credits)

____ (WA) ENGL 1010

Quantitative Reasoning (1-3 courses, 4-11 credits)

____ (QA) Most students will satisfy this USP requirement with
ACT or math placement score

____ (QB): MATH 2200

Natural Sciences (8 credits) (SP)

____ (SP): PHYS 1310

____ (SP): PHYS 1320

Cultural Context (3 courses, 9 credits)

(3 hours from each area; can substitute C for ONE area)

____ Humanities (CH): _____

____ Social Science (CS): EDST 2450

____ Arts (CA): _____

Oral Communication (1 course, 3 credits)

____ (O) EDST 3000

US & Wyoming Constitution (1 course, 3 credits)

____ (V) POLS 1000, ECON 1200, HIST 1211, 1221, or 1251

Physical Activity & Health (1 course w/ 2 parts, 1 credit)

____ (P) PEAC 1001 (1) _____

EMBEDDABLE COMPONENTS

May be part of another course (ordinarily a 3 credit course) or
courses dedicated solely to this component.

Information Literacy (1 course)

____ (L) ITEC 2360

Writing 2 & 3 (2 courses)

____ (WB) EDST 3000

____ (WC) EDSE 4275

Global Awareness (1 course)

____ (G) _____

Diversity in the United States (1 course)

____ (D): EDST 2480

PROFESSIONAL EDUCATION REQUIREMENTS:

Professional Ed courses must be completed with a grade of C or better.

____ EDST 2450 (3) Human Lifespan Development (CS)

____ ITEC 2360 (3) Teaching with Technology (L)

____ 2.50 UW Total Institution GPA

____ Sophomore standing (30+ credits)

The above criteria must be met prior to enrollment in **PHASE I:**

____ EDST 2480 [2000] (4) Diversity & the Politics of Schooling (D)

____ EDEX 2484 (3) Intro to Special Education

____ C or better in QA

____ C or better in WA

____ Current Wyoming Substitute Teaching Permit

____ 2.75 UW Total Institution GPA

____ Junior standing (60+ credits)

____ Application is due one semester prior to enrollment.

The above criteria must be met prior to enrollment in **PHASE II:**

____ EDST 3000 (6) Teacher as Practitioner (O & WB)

____ 2.75 UW Total Institution GPA

____ 2.50 GPA (content)

____ EDSE 3275 (3) Methods I: Secondary Science Ed.
(Offered fall semester only.)

____ Application is due one year prior to enrollment.

The above criteria must be met prior to enrollment in **PHASE III**

Methods II & Residency

Phase IIIa: Methods - Offered FALL SEMESTER ONLY!

____ EDSE 4275 (3) Methods II: Secondary Science Ed. (WC)
(Offered fall semester only.)

____ EDST 3550 [3500] (2) Educational Assessment

* Can be taken upon successful completion of Phase I and QA requirement.

PHASE IIIb: Residency

____ EDSE 4500 (15) Residency in Teaching

- Effective Fall 2006. Concurrent Majors required for all incoming freshmen and transfer students in this degree program.
- Minimum 2.75 cumulative GPA and minimum 2.5 content GPA required.

**PHYSICS MAJOR CONTENT:
63 HOURS (minimum)**

Minimum 2.50 GPA required in major content. All major content courses must be completed with a grade of C or better.

Other UPPER DIVISION coursework to meet the 48 UW upper division credit hour minimum (as required):

REQUIRED CONTENT COURSES (32 HRS MIN):

- _____ PHYS 1310 (4) College Physics I (SP)
Must be concurrently enrolled in MATH 2205
- _____ PHYS 1320 (4) College Physics II (SP)
Must be concurrently enrolled in MATH 2210
- _____ PHYS 2310 (4) Physics III: Waves and Optics
- _____ PHYS 2320 (3) Physics IV: Modern Physics
Must be concurrently enrolled in PHYS 2310
- _____ PHYS 4210 (3) Classical Mechanics I
- _____ PHYS 4310 (3) Quantum Mechanics
- _____ PHYS 4410 (3) Electricity and Magnetism I
- _____ PHYS 4510 (3) Thermodynamics and Statistical Mechanics
- _____ PHYS 2150 (3) Physical Prin. of Contemp. Social Prob. **OR**
PHYS 3100 (4) App. of Physics in the Modern World **OR**
PHYS 4050 (2) The Physical Principles of Pollution **OR**
PHYS 4150 (3) Energy in a Technical Society **OR**
PHYS 4160 (2) Energy Issues for Educators

Upper division PHYS elective (3 hrs):

OTHER REQUIRED SCIENCE COURSES (16 HRS):

- _____ LIFE 1010 (4) General Biology (SB)
- _____ ASTR 1050 (4) Survey of Astronomy (SE)
- _____ CHEM 1020 (4) General Chemistry I (SP)
- _____ COSC 1030 (4) Computer Science I
Must be concurrently enrolled in MATH 2200

REQUIRED MATHEMATICS COURSES (15 HRS):

- _____ MATH 2200 (4) Calculus I (QB)
- _____ MATH 2205 (4) Calculus II
- _____ MATH 2210 (4) Calculus III
- _____ MATH 2310 (3) Applied Differential Equations I