MATHEMATICS EDUCATION (MSEC) BACHELOR of ARTS
With Concurrent Major in Mathematics
Wyoming Teacher Education Program

Total credit requirement: 120 minimum
48 credit hours must be upper division

Effective Spring 2006

| Name: ____________________________ | Matric. Date: ________ | Evaluated by: ______________________ |
| W#: ____________________________ | 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 (3)

Quantitative Reasoning (2 courses, 6-8 credits)

____ (QA) _____________________________________
____ (QB) MATH 2200

Natural Sciences (4-8 credits) (S, SB, SP, or SE)

Complete one integrated S course, OR any 2 courses from SB, SP, or SE categories, at least one with a laboratory.

____ (S, SB, SP, or SE) __________________________
____ (S, SB, SP, or SE) __________________________

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 _____________________________

EMBEDDABLE COMPONENTS

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

Information Literacy (1 course)

____ (L) ITEC 2360

Writing 2 & 3 (2 courses)

____ (WB) EDST 3000
____ (WC) EDSE 4271

Global Awareness (1 course)

____ (G) _________________________________

Diversity in the United States (1 course)

____ (D): EDST 2480

PROFESSIONAL EDUCATION REQUIREMENTS:

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

____ EDST 2450 (3) Human Lifespan Development (CS)
____ ITEC 2360 (3) Teaching with Technology (L)
____ 2.5 GPA (cumulative)
____ 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 or MATH 2200, Calculus I
____ C or better in WA
____ Current Wyoming Substitute Teaching Permit
____ 2.75 GPA (cumulative)
____ 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 GPA (cumulative)
____ 2.5 GPA (content)
____ EDSE 3271 (3) Methods I: Secondary Math 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

____ EDSE 4271 (3) Methods II: Secondary Math 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 Spring 2006: Concurrent Majors required for all incoming freshman and transfer students in this degree program.
MATHEMATICS CONTENT: 47 Hours (minimum)
Minimum 2.5 GPA required in major content. All major content courses must be completed with a grade of C or better.

_____ COSC 1010 (4) Introduction to Computer Science OR 3 hours other computing language
_____ MATH 2200 (4) Calculus I (QB)
_____ MATH 2205 (4) Calculus II
_____ MATH 2210 (4) Calculus III
_____ MATH 2250 (3) Elementary Linear Algebra
_____ MATH 2800 (2) Mathematics Major Seminar (S/U grading)
_____ MATH 3000 (3) Fundamental Concepts of Mathematics OR
   MATH 3200 (3) Polynomials (offered spring semester)
_____ MATH 3500 (3) Applied Algebra OR
   MATH 3550 (3) Introduction to Abstract Algebra
_____ MATH 4000 (3) History of Mathematics
_____ MATH 4150 (3) Secondary School on Campus (Offered fall semester, to be taken with EDSE 4271)
_____ MATH 4300 (3) Mathematical Modeling
_____ MATH 4600 (3) Foundations of Geometry

Math Electives (6 hours must be upper division)
(MATH 2310 Differential Equations counts toward these electives)

_____ __________________________
_____ __________________________

Statistics Elective (3-4 hours):
Any STAT course OR MATH 4250 Probability

_____ __________________________

Other coursework to meet 120 credit hour program minimum (as required):

_____ __________________________
_____ __________________________