

NAME: \_\_\_\_\_

ID#: \_\_\_\_\_

Bulletin year: \_\_\_\_\_

## Math Education 7-12 Effective 2015-2016 academic year

### I. ACHIEVEMENT CENTERED EDUCATION (ACE) (30 hrs)

All UNL students are required to complete a minimum of 3 hours of approved course work in each of the 10 designated ACE areas.

ACE #1 *Written Texts Incorporating Research & Knowledge Skills*  
ENGL 150, 151, or 254 \_\_\_\_\_ (3 hrs) \_\_\_\_\_

ACE #2 *Communication Skills*  
COMM 109, 209, 210, or 286 \_\_\_\_\_ (3 hrs) \_\_\_\_\_

ACE #3 *Mathematical, Computational, Statistical, or Formal Reasoning Skills*  
MATH 106, 107, 208, 221, 310, 314 \_\_\_\_\_ (3 hrs) \_\_\_\_\_

ACE #4 *Study of Scientific Methods & Knowledge of Natural & Physical World (Any)*  
\_\_\_\_\_ (3 hrs) \_\_\_\_\_

ACE #5 *Study of Humanities (Any)*  
\_\_\_\_\_ (3 hrs) \_\_\_\_\_

ACE #6 *Study of Social Sciences*  
EDPS 251, 457 \_\_\_\_\_ (3 hrs) ✓✓✓✓✓

ACE #7 *Study of the Arts to Understand Their Context & Significance (Any)*  
\_\_\_\_\_ (3 hrs) \_\_\_\_\_

ACE #8 *Ethical Principles, Civics, Stewardship & Their Importance to Society*  
TEAC 331 \_\_\_\_\_ (3 hrs) ✓✓✓✓✓

ACE #9 *Global Awareness, Knowledge of Human Diversity through Analysis of an Issue*  
TEAC 330 \_\_\_\_\_ (3 hrs) ✓✓✓✓✓

ACE #10 *Integration of Abilities, Capacities in a Creative or Scholarly Product*  
TEAC 403B \_\_\_\_\_ (3 hrs) ✓✓✓✓✓

Additional ACE course work

Select 4 additional courses from ACE Outcomes 1-10

MATH 107 _____	(4 hrs)	<u>✓✓✓✓✓</u>
MATH 208 _____	(4 hrs)	<u>✓✓✓✓✓</u>
STAT 380 _____	(3 hrs)	<u>✓✓✓✓✓</u>
EDPS 457 _____	(3 hrs)	<u>✓✓✓✓✓</u>

### II. PRE-PROFESSIONAL EDUCATION (13 hrs)

No grade lower than "C"

All courses must be for a grade (not Pass/No Pass) with the exception of EDPS 297. TEAC 331 & EDPS 251 must average a 2.5 GPA

TEAC 331 School and Society \_\_\_\_\_ (3 hrs) \_\_\_\_\_

EDPS 251 Adolescent Development for Ed \_\_\_\_\_ (3 hrs) \_\_\_\_\_

EDPS 297 Practicum (take with EDPS 251) \_\_\_\_\_ (1 hr) \_\_\_\_\_

TEAC 330 Multicultural Ed \_\_\_\_\_ (3 hrs) \_\_\_\_\_

TEAC 259 Instructional Technology \_\_\_\_\_ (3 hrs) \_\_\_\_\_

### III. ENDORSEMENT (37 hrs)

\*Taken after being admitted to the Teacher Education Program  
No grade lower than "C"

MATH 106 Calculus I \_\_\_\_\_ (5 hrs) \_\_\_\_\_  
Pre-requisite: Placement Exam

MATH 107 Calculus II \_\_\_\_\_ (4 hrs) \_\_\_\_\_  
Pre-requisite: Math 106

MATH 208 Calculus III \_\_\_\_\_ (4 hrs) \_\_\_\_\_  
Pre-requisite: Math 107

MATH 221 Differential Equations \_\_\_\_\_ (3 hrs) \_\_\_\_\_

MATH 310 Introduction to Modern Algebra \_\_\_\_\_ (3 hrs) \_\_\_\_\_

MATH 314 Applied Linear Algebra (Matrix Theory) \_\_\_\_\_ (3 hrs) \_\_\_\_\_

MATH 350 Concepts in Geometry \_\_\_\_\_ (3 hrs) \_\_\_\_\_  
Pre-requisite: Math 310

MATH 405 Discrete Mathematics \_\_\_\_\_ (3 hrs) \_\_\_\_\_

STAT 380 Statistics & Applications \_\_\_\_\_ (3 hrs) \_\_\_\_\_

\*MATH 407 Mathematics for High School Teachers I \_\_\_\_\_ (3 hrs) \_\_\_\_\_

\*MATH 408 Mathematics for High School Teachers II **OR**

\*MATH 409 Mathematics for High School Teachers II \_\_\_\_\_ (3 hrs) \_\_\_\_\_

Acceptance into the Math Teacher Education Program is required before enrollment in the Professional Education courses. 80% of the endorsement courses must be completed prior to enrolling in TEAC 451P. The professional education sequence begins spring semester, continues in the fall semester, and is followed by a semester of student teaching.

### Professional Education Courses (27 hrs)

All grades must be a minimum of "C+" or above

#### Methods

TEAC 451P Teaching Principles \_\_\_\_\_ (3 hrs) \_\_\_\_\_

TEAC 452P Curriculum Principles \_\_\_\_\_ (3 hrs) \_\_\_\_\_

TEAC 397P Practicum \_\_\_\_\_ (3 hrs) \_\_\_\_\_

EDPS 457 Learning and Motivation \_\_\_\_\_ (3 hrs) \_\_\_\_\_

SPED 401B Mainstreaming \_\_\_\_\_ (3 hrs) \_\_\_\_\_

#### Student Teaching

TEAC 497P Student Teaching \_\_\_\_\_ (9 hrs) \_\_\_\_\_

TEAC 403B Student Teaching Seminar (ACE 10) \_\_\_\_\_ (3 hrs) \_\_\_\_\_

#### Electives (0-13 hrs)

\_\_\_\_\_ (3 hrs) \_\_\_\_\_

\_\_\_\_\_ (3 hrs) \_\_\_\_\_