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 Tests Incorporating Research & Knowledge Skills
ENGL 150, 151, or 254 (3 hrs)

ACE #2 Communication Skills
COMM 101, 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) *√√√√√
MATH 208 (4 hrs) *√√√√√
STAT 380 (3 hrs) *√√√√√
EDPS 457 (3 hrs) *√√√√√

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)

Revised 6/17/15