NIU DEPARTMENT OF MATHEMATICAL SCIENCES
Requirements for Certification in Mathematics, Grades 6-12
& University Graduation Requirements

GENERAL EDUCATION COURSES

1. Core Competency 9 hr [6 hr if ENGL 105] [Math Core Competency satisfied through math major]
   COMS 100 [Fund Oral Communication] (3) _________
   ENGL 103 [Rhetoric I] (3) _________ or ENGL 105 [Rhet & Comp] (3) _________
   ENGL 104 [Rhetoric II] (3) _________

2. Distributive Studies 29 hr [No more than 3 courses in one dept; 29 hr required]
   2a. Humanities & Arts 12 hr [For BS, at least 3 depts & in at least 2 colleges]
       HIST _________ (3) [must be U.S. History]
       ENGL _________ (3) [Literature course]
       1st Humanities Elective (3) _________
       2nd Humanities Elective (3) _________

   2b. Social Science 6 hr (For BS, in at least 2 depts)
       POLS 100 (3) _________ [U.S. Government]
       PSYC 102 (3) _________ [Psychology] prq for EPS 406

   2c. Interdisciplinary Studies 3 hr
       EPFE 201 (3) _________

   2d. Science 9 hr
       [Req: At least two science fields w/min 2 courses in one science field, with at least 1 lab course]
       4 hr courses generally meet lab req; lab req may be met with a listed 1 hr course
       _________ Eligible: BIOS 103, 104(4), 105 (1), 106, 107, 109;
       _________ CHEM 100, 110, 111(1), 210, 211, 212(1), 213(1);
       _________ GEOG 101, 102(1), 105, 106(1);
       _________ GEOL 103, 104, 105, 120, 121(1);
       _________ PHYS 150, 150A(4), 162, 180, 181(1),
       _________ PHYS 210(4), 211(4), 253(4), 273(4);
       _________ PHIL 205; CSCI 205; ELE 100;
       _________ ANTH 240; FCNS 201; ISYE 100

3. Social Issues Experience*
   [Req satisfied w/documentation of current First Aid/CPR Certification (hospital/community center);
    May be satisfied w/drug abuse ed [KNPE 262, PHHE 201, 304, 437]
PROFESSIONAL EDUCATION COURSES  28 hr

_____ EPFE 400 (3) [Foundations of Ed]  
_____ EPS 406 (3) [Human Dev/Learn] prq PSYC 102/CRQ Clin  
_____ TLSE 457 (3) [Exceptional Students] prq ILAS 201  
_____ ETR 440 (3) [Secondary Assessment] recommend w/MATH 412  

MATH 229 (4) [Calculus I]  
MATH 230 (4) [Calculus II]  
MATH 232 (4) [Calculus III]  
MATH 240 (4) [Linear Algebra] prq 232  
STAT 350 (3) [Probability & Statistics] prq 230  
MATH 353 (3) [Axiomatic Geometry] prq 240  
MATH 360 (3) [Model Building] prq 230  
MATH 420 (3) [Abstract Algebra I] prq 240  
MATH 430 (3) [Advanced Calculus] prq 240  
MATH 410 (3) [Middle School Math Methods] prq 229; prq or crq ILAS 301; rec prior to MATH 412  
MATH 412 (3) [Secondary Math Methods] crq 353; rec concurrently w/MATH 401  
MATH 1st Elective (3) [MATH 380, 416, 434, 435, 440, 444, 450, 480]  
MATH 2nd Elective (3) [MATH 421, 423, 431, 456, 480, STAT 470]  

COMPUTER PROGRAMMING 4 hr [Recommend taking early]  
_____ CSCI 240[C++] (4) or CSCI 230 [FORTRAN] (4)

ADDITIONAL REQUIREMENTS

_____ Date Formally Admitted to Mathematics Teacher Education  
_____ Current Negative TB Test on file expires________  
_____ Pass ICTS Test of Academic Proficiency (400) [Website: www.icts.nesinc.com] [Must pass prior to enrollment in ILAS 301]  
_____ Pass ICTS Mathematics Content Area Test (115) [Must pass prior to enrollment in MATH 401 and MATH 412]  
_____ Pass ICTS Assessment of Professional Teaching (103) [Must pass prior to certification]  
_____ Completion of Criminal Background Check [before enrollment in ILAS 201]  
_____ Completion of Sexual Offender Check [before enrollment in ILAS 201]  
_____ Completion of Safety Tutorial [before enrollment in MATH 401]  
_____ Must earn a grade of “C” or better in MATH/STAT and Prof’l Educ. courses required for major/certification  
_____ Cumulative NIU GPA (≥ 2.5 for UG/PG, ≥ 3.0 for SAL/GR)  
_____ GPA [Min 2.25 for all MATH/STAT courses for major/cert]  
_____ MATH GPA [Min 2.25 MATH/STAT courses >MATH 230 for major/cert]  
_____ TOTAL SEMESTER HOURS ≥ 120

Portfolio Requirement: Students must submit a portfolio of their academic and professional work prior to their student teaching experience.

NOTE: *ILAS 201 & 301 apps due 1st wk March (for Fall registration), 1st wk Oct (for Spring registration)
**MATH 401 apps @ required mtg (Apr or Nov), 3 semesters before student teaching

[Optional & recommended: MATH 415 (3) Technology for Teachers [offered FALL semester only]]

Updated  August 2012