MATHEMATICS EDUCATION (CERTIFICATE)

Description

- Understand the role that mathematics plays in the school curriculum and society.
- Analyze PK-16 mathematics teaching from a critical perspective, including understanding how social, historical, and institutional contexts affect the learning and teaching of mathematics.
- Complement and build on teachers' learning via the K-3 math specialist graduate certificate if they have completed it.
- Develop theoretical and practical understandings of practices to improve mathematics education for every student in PK-16 settings, and focus attention on grades 4-16 and 6- 12, depending on teachers' goals.

Program-Related Information

Graduate Chair

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Support Staff

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Program Website

https://cehs.unl.edu/tlte/graduate/

Applying for Admission

Standard requirements for all graduate programs

- Application for Admission with $50 non-refundable application fee (https://graduate.unl.edu/admissions/requirements/#appfee).
- Transcripts (https://graduate.unl.edu/admissions/requirements/#transcripts) (unofficial): Uploaded as part of application form.

  If International: Uploads must include all college- or university-level transcripts or mark sheets (records of courses and marks earned), with certificates, diplomas, and degrees plus certified English translations.

  After admission: Official documents are required from all students who are admitted and enroll. Photocopies of certified records are not acceptable. International students enrolled in other U.S. institutions may have certified copies of all foreign records sent directly to the Office of Graduate Studies by their current school's registrar office.
- If applicant's native language is not English, verification of English proficiency (https://graduate.unl.edu/admissions/english-proficiency/) is required.

  When sending TOEFL scores, our institution code is 6877 and a department code is not needed.
- If applicant is not a US citizen and expects an F or J visa: financial information (https://graduate.unl.edu/prospective/international/financial/).
- Applicants must also fulfill any additional requirements the department specifies at the time of application.

Additional requirements specific to this program

- Resume/CV
- Personal Statement: Statement of interest

Certificate programs are not considered degree programs, so international students should be aware that admission to this program is ineligible for immigration forms for an F-1 student visa.

Admission Application Deadlines

February 1 for admission in Summer or Fall. October 1 for admission in Spring.

Requirements

Complete 15 credit hours as described:

Required Courses (15 credits - 12 must be from TEAC)		15
TEAC 807A	Equitable Practices in Mathematics Education: Identity, Access, & Equity in Mathematics Education	3
TEAC 807B	Equitable Practices in Mathematics Education: Teaching Mathematics for Social Justice	3
TEAC 807C	Equitable Practices in Mathematics Education: Mathematics Classroom Discourse	3
TEAC 808G	Improvement of Instruction in School Mathematics: Manipulatives in Mathematics Education	3
TEAC 836G	Professional Development: Mathematics Education Leadership	3
TEAC 848G	Introduction to Curriculum Studies: Mathematics Curriculum Analysis & Design	3
TEAC 849G	Studies in Assessment and Leadership for Learning: Assessment in Mathematics Education	3
TEAC 880E	Teaching with Technology: Instructional Technology in Mathematics	1-3
TEAC 856P	Learning Models: Theories and Applications Specific to Mathematics Instruction	3
TEAC 907	Seminar in Elementary School Mathematics	3
CYAF 890A	Workshop Seminar: Early Childhood	1-3
MATH 800T	Mathematics as a Second Language	3
MATH 802T	Functions, Algebra, and Geometry for Middle Level Teachers	3
MATH 803P	Algebraic Thinking in the Elementary Classroom	3
MATH 804P	Problem Solving and Critical Thinking in the Elementary Classroom	3
MATH 804T	Experimentation, Conjecture and Reasoning	3
MATH 805T	Discrete Mathematics for Middle Level Teachers	3
MATH 806T	Number Theory and Cryptology for Middle Level Teachers	3
MATH 807T	Using Mathematics to Understand Our World	3

MATH 808T	Concepts of Calculus for Middle Level Teachers	3
MATH 810T	Algebra for Algebra Teachers	3
MATH 811T	Functions for High School Teachers	3
MATH 812T	Geometry for Geometry Teachers	3
MATH 814T	Linear Algebra for Teachers	3
MATH 816T	Math in the City for Teachers	3
STAT 812T	Statistics for High School Teachers	3