



# K-3 MATHEMATICS SPECIALIST (CERTIFICATE)

## Description

This certificate is intended for elementary teachers who are interested in further developing their instructional strategies and mathematics content knowledge to meet the needs of each and every student in their classrooms.

All courses are taught on the University of Nebraska-Lincoln campus, online, or at sites mutually agreed upon by the Departments of Teaching, Learning, and Teacher Education and Mathematics.

## Program-Related Information

### Graduate Chair

Lorraine Males  
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### Program Director

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### Support Staff

Joelle Tangen  
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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
- Personal Statement
- Two letters of recommendation

*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

Rolling Admissions and Monthly Review Deadline: the first Monday of each month August through May.

## Requirements

Complete 18 credit hours as listed below. The required courses should be completed prior to registering for electives.

Required Courses (9 credits)		9
MATH 800P	Number and Operation for K-3 Mathematics Specialists	3
MATH 801P	Geometry, Measurement, and Algebraic Thinking for K-3 Mathematics Specialists	3
MATH 802P	Number, Geometry and Algebraic Thinking II for K-3 Math Specialists	3
Electives (9 credits)		9
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 808J	Improvement of Instruction in School Mathematics Special Topics	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 856P	Learning Models: Theories and Applications Specific to Mathematics Instruction	3
TEAC 880E	Teaching with Technology: Instructional Technology in Mathematics	1-3