

Do you have a valid Arizona elementary or special education certificate plus three years of full-time teaching experience in grades K-8?



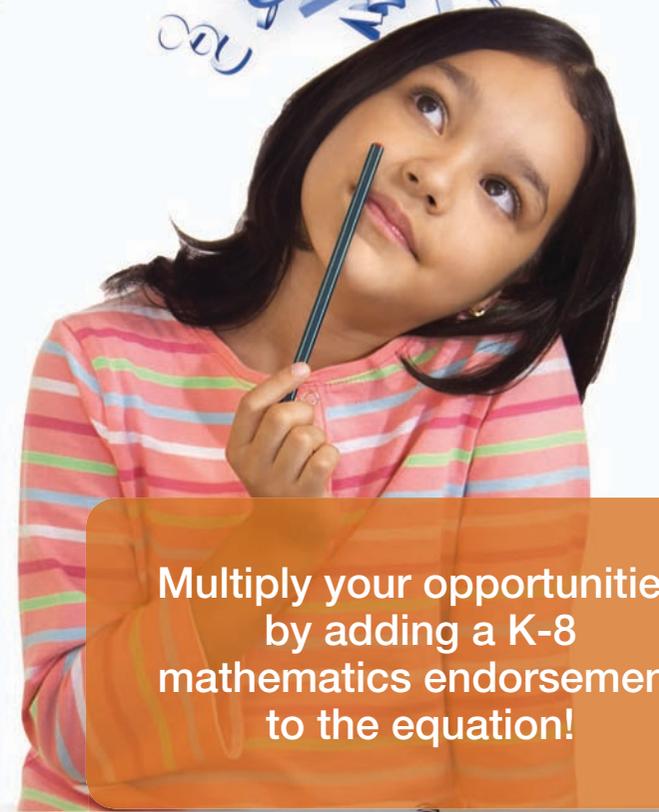
Additional information about the endorsement can be found at the Arizona Department of Education at www.azed.gov.

For more information regarding the coursework available through the College of Education, please contact us at ttegrad@email.arizona.edu or 520-626-6837.



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Multiply your opportunities by adding a K-8 mathematics endorsement to the equation!



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Here are descriptions of the two courses you will need to get your endorsement:

Then, you can earn your endorsement by successfully completing two courses we offer at the UA College of Education

and passing the AEPA/NES Middle Grade Mathematics Assessment (or valid certificate from the National Board for Professional Teaching Standards in middle grade mathematics).

TTE511: Research-Based Practices, Pedagogy, and Instructional Leadership in Mathematics *(Offered in the fall)*

In this course, you will:

- Learn about current education research in K-8 mathematics education and how to evaluate it.
- Use current research to develop lessons and units for K-8 children.
- Become familiar with the Cognitively Guided Instruction framework and identify children's problem-solving strategies.
- Become familiar with the principles of Structured English Immersion (SEI), as well as practical implications of SEI in the classroom.
- Become familiar with research that supports de-tracking and group work to support more equitable mathematics classrooms.
- Learn about teaching diverse student populations, connecting mathematics to students' home, community, and cultural contexts to support all students, including linguistically diverse students.

TTE512: Mathematics Classroom Assessment *(Offered in the spring)*

In this course, you will:

- Understand and critically reflect on different classroom assessments and discuss the purposes, attributes, and constraints of different assessments.
- Interpret formal and informal data regarding student understanding and achievement and use this to inform pedagogical decisions.
- Learn about Backward Design and use this framework to identify important instructional goals, develop units with important learning objectives, and incorporate ongoing assessment to inform instruction.
- Learn how to involve K-8 children in the assessment process and be able to implement assessment strategies in your lesson plans.
- Understand the source of assessment guidelines including local, state, and federal policy statements.



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Classes meet once a week on a modified schedule throughout each semester and are held at a local school for your convenience.