



*Association of Mathematics Teacher Educators*

# AMTE and the Standards for Preparing Teachers of Mathematics: Implications for the High School-to-College Transition

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# AMTE Goals

- Effective mathematics teacher education programs and practices;
- Communication and collaboration among those involved in mathematics teacher education;
- Research and other scholarly endeavors related to mathematics teacher education;
- Professional growth of mathematics teacher educators;
- Effective policies and practices related to mathematics teacher education at all levels; and
- Equitable practices in mathematics teacher education, including increasing the diversity of mathematics teachers and teacher educators.

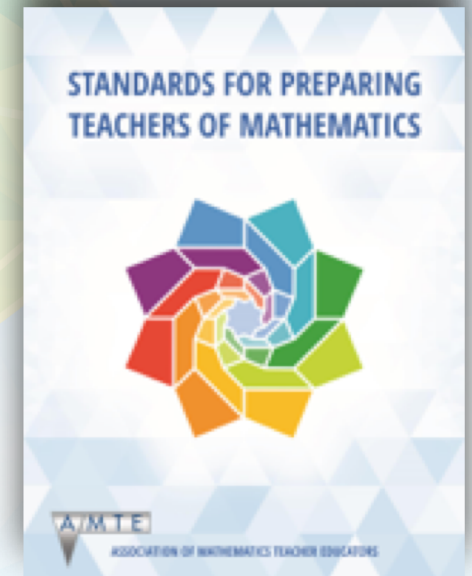




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# Standards for Preparing Teachers of Mathematics

- A set of comprehensive standards describing a national vision for the **initial preparation** of all teachers Pre-K–12 who teach mathematics.
  - Includes all who have responsibility for aspects of student learning in mathematics.
- These standards are **aspirational**, rather than describing minimum levels of competency needed by beginning teachers.
- The audience includes **all those involved** in mathematics teacher preparation.



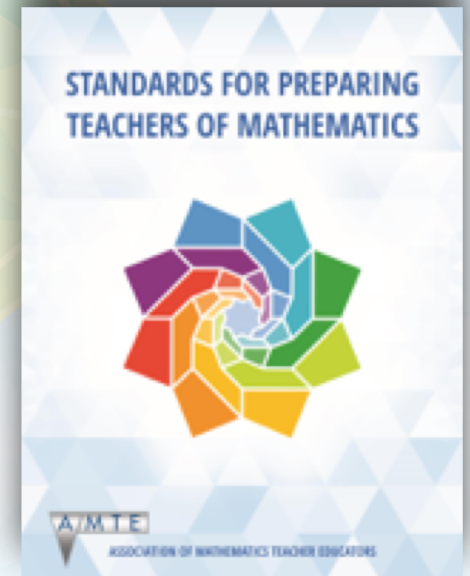
[www.amte.net/standards](http://www.amte.net/standards)



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# Standards for Preparing Teachers of Mathematics

- These standards **build on** other standards and recommendations, including MET II, NCTM's Principles to Actions, Common Core State Standards, etc.
- These standards **inform but do not replace** state and national accreditation reviews, such as CAEP (Council for the Accreditation of Educator Preparation).
- These standards can **support** the work of assessing teacher candidates and programs, including the edTPA assessment.



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# Candidate & Program Standards

## Candidate Standards:

- C.1.** Mathematics Concepts, Practices, and Curriculum
- C.2.** Pedagogical Knowledge and Practices for Teaching Mathematics
- C.3.** Students as Learners of Mathematics
- C.4.** Social Contexts of Mathematics Teaching and Learning

## Program Standards:

- P.1.** Partnerships
- P.2.** Opportunities to Learn Mathematics
- P.3.** Opportunities to Learn to Teach Mathematics
- P.4.** Opportunities to Learn in Clinical Settings
- P.5.** Recruitment and Retention of Teacher Candidates