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**Richard Bisk\*** ([rbisk@worchester.edu](mailto:rbisk@worchester.edu)), Mathematics Department, 486 Chandler St., Worcester, MA 01541. *Improving the Mathematical Preparation of Elementary Teachers in Massachusetts.*

In 2007, the Massachusetts Board of Elementary and Secondary Education voted unanimously to upgrade the mathematical requirements for new elementary school teachers. The changes included a detailed document ([www.doemass.org/mtel/mathguidance.pdf](http://www.doemass.org/mtel/mathguidance.pdf)) that described “the breadth and depth of mathematics that teachers at the elementary level must not only be able to do, but understand and explain in many ways to students.” Elementary teacher candidates now have to pass a separately scored mathematics test to earn certification.

This talk will describe the changes and the rationale behind them. The response of higher education, and in particular Worcester State University, will also be discussed. (Received January 18, 2011)