

Annual Report on Program Student Learning Outcomes Assessment

Program: BA in Mathematics & Mathematics Education

Program Contact and Title: Tasso Kaper, Chair, Department of Mathematics & Statistics

College/School Contact and Title: Susan Jackson, Associate Dean

Date: October 2013

1. List the learning outcomes for the program

Students graduating with a major in Mathematics & Mathematics Education should be able to:

- 1.** Demonstrate a mature understanding of single and multivariable Calculus up through differential equations and of linear algebra.
- 2.** Demonstrate a clear understanding of the concept of mathematical proof and be able to present a rigorous proof of basic theorems.
- 3.** Demonstrate depth of understanding of one of the core areas of mathematics that are particularly relevant to middle and high school teachers.
- 4.** Fulfill requirements, including pedagogy courses and practicums, for licensure of middle/high school mathematics teachers, as dictated by the state of Massachusetts; and pass the MTEL exam for Massachusetts licensure.