M.S. in Mathematics for Teaching

Learning Outcomes

Students will be able to:

- Solve problems using algebraic, quantitative, and graphical approaches.
- Recognize incorrect mathematical arguments and then use multiple approaches to explain, in both verbal and written form, how to correct these arguments.
- Apply mathematics to solve problems in the real world and in other academic areas.
- Use ideas and techniques from different areas of mathematics (such as algebra, geometry, trigonometry, calculus, abstract and linear algebra, probability, statistics, and logic) to solve problems and explain the solutions.
- Use proper mathematical terminology, notation, and reasoning to clearly communicate mathematical ideas both in verbal and written form.
- Use technology to not only solve problems but also to explore and explain mathematical ideas.

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