M.S. in Pure Mathematics

Learning Outcomes

Students will be able to:

- Construct correct logical arguments and be able to understand and critique the reasoning of others.

- Identify, formulate, abstract, and solve problems in pure mathematics using tools from a variety of mathematical areas including linear algebra, abstract algebra, topology, and analysis.

- Communicate mathematical ideas clearly, in oral or written form, by using appropriate mathematical terminology and notation.

- Comprehend and summarize research level mathematical writing.

- Use discipline specific computer tools such as LaTeX, Maple, Mathematica, or Matlab.