Students will be able to communicate mathematical arguments, and present the results of a mathematical/statistical study in a clear, coherent, and convincing manner, both orally and in writing.

Communicating Mathematics

Students will be able to conduct supervised, independent projects in the mathematical sciences. In particular, students will be able to formulate, investigate and analyze either a theoretical question or a model of a phenomenon or of data, guided by prior research in theory and/or applications.

Independent Project

Students will be able to understand and employ the basic tools and methods of core graduate areas in their chosen concentration. Such tools and methods range from theoretical techniques to the construction of models and solution methods. In particular, students will be able to demonstrate mastery of Linear Algebra (both Concentrations), and of Analysis (Mathematics Concentration) or Statistics (Statistics Concentration).

Mastery of Core Knowledge

Outcome 1

Outcome 2

Outcome 3

SLOs