

MATHEMATICS, M.A.

The M.A. is designed primarily for students who wish to enter a Ph.D. program in mathematics. A student's program of study for this degree is usually narrower than the M.S. in scope but more intense in content. Course work for the degree is regarded as preparatory for the Ph.D.

Learning Outcomes

1. MM students will demonstrate an understanding of algebra, calculus, statistics and geometry as taught at the secondary level, and the basic elements of group theory, ring theory, and real analysis, that is, the material of core curriculum courses listed above. MS and MA students will master the material of the core curriculum courses listed above, as well as the foundational material of their specialty. The level of problem formulation and solution, and written expository skill, should reach a level adequate for the writing of a thesis. [Note: specific topics could be itemized here as in the PhD plan, but since the three degrees have such different programs of study, this would probably be excessively lengthy.]
2. All students who are GTA's will demonstrate teaching proficiency in the settings described in the Curriculum above.