

Standing Requirements

Outcomes Library

MA/MS in Mathematics Outcome Set

1. Students will learn to use and construct mathematical proofs.

Outcome	Mapping
1.1 Students will construct direct proofs.	No Mapping
1.2 Students will construct proofs by contradiction.	No Mapping
1.3 Students will construct proofs by induction.	No Mapping
1.4 Students will construct examples and counterexamples.	No Mapping

2. Students will communicate mathematics effectively.

Outcome	Mapping
2.1 Students will state mathematical results accurately for a research problem.	No Mapping
2.2 Students will conduct an independent investigation of their problem.	No Mapping
2.3 Students will make an oral presentation of their research report that is accessible to their peers.	No Mapping
2.4 Students will make a detailed written report of their research.	No Mapping

3. Students will demonstrate that they are ready to use their mathematical skills in a post-master's position.

Outcome	Mapping
3.1 Students will be polled after graduation to determine whether they planned to pursue further studies, had an offer of employment, etc.	No Mapping
3.2 Students will demonstrate mastery of mathematics and related content that will allow them to pursue careers utilizing their knowledge.	No Mapping

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