Department of Mathematics and Statistics
Program-Level Assessment Plan
M.S. Mathematics

Part 1: Program Mission
The Department is dedicated to the education of our students in the fields of mathematics and statistics and to the certification of teachers in secondary education. To that end we support curricula that lead to undergraduate and graduate degrees in mathematics and certification for teaching mathematics in secondary schools. In addition, the department offers courses in mathematics and statistics that serve the needs of other degree programs of the University. To provide for the general education of all students, the Department offers courses for students of varying backgrounds and levels of mastery of mathematics. In all of these activities, the Department strives for excellence in teaching.

Part 2: Student Learning Outcomes

Foundational knowledge
1. Students will have a broad understanding of mathematics/statistics.
2. Students will be able to use technology appropriately.

Information literacy
3. Students will possess a familiarity with the language of mathematics and statistics.

Critical Thinking
4. Students will have an ability to apply sound mathematical reasoning and/or statistical analysis to solve problems.
5. Students will be able to construct and interpret logical arguments.

Thoughtful expression
6. Students will be able to read, write, discuss, and speak about mathematics and/or statistics effectively.

Teamwork
7. Students will have developed the ability to work both independently and collaboratively.