

**Major Field Assessment Plan
B.S. Mathematics Education**

The mission of Southeastern Louisiana University is to meet the education and cultural needs, primarily of Southeast Louisiana, to disseminate knowledge and to facilitate life-long learning through quality instruction, research and service in a safe, student-centered environment.

The purpose of the B.S. in Mathematics Education is to prepare students for graduate study in Mathematics Education, and to acquire the knowledge and skills necessary to teach mathematics to others and/or to work in a problem-solving environment.

Goal 1

To provide students with knowledge in the field of mathematics.

A. Expected Outcome

- a. Students completing the undergraduate program in mathematics will compare very favorably on a national basis with other seniors graduating in mathematics.
- b. Graduates will be able to demonstrate problem-solving and modeling skills in areas such as algebra, linear algebra, calculus, logic, geometry, set theory, and statistics.

Assessment

- a. Eighty percent of the graduates in the mathematics program will score above the 40th percentile on the ETS mathematics field assessment.
- b. One hundred percent of the graduates will pass the National Teachers Exam.

B. Expected Outcome

Graduates will respond very favorably to the mathematics curriculum and overall learning environment.

Assessment

- a. Ninety percent of the graduates in the mathematics program will be satisfied with their mathematics instruction, as indicated on the SLU Exit Survey
- b. One hundred percent of the graduates will feel comfortable asking for letters of recommendation from at least three professors in the Mathematics Department as evidenced by the SLU Exit Survey.

Goal 2

To foster an appreciation for mathematics.

Expected Outcome

Students completing the undergraduate program in Mathematics Education will demonstrate awareness of the diverse nature of Mathematics Education as a body of knowledge and the importance of participation in professional societies in the field of mathematics.

Assessment

Eighty percent of the graduates from the mathematics program will feel they were given opportunities and support for attending professional meetings in mathematics education while a student at SLU.

Goal 3

To prepare students for career employment and/or graduate study.

Expected Outcome

One year after graduation, the majority of graduates will have career-based employment or will be in graduate school.

Assessment

At least sixty percent of the graduates of the mathematics program will have career-based employment or be enrolled in graduate school, as evidenced by the SLU Mathematics Post Exit Survey.

Note

Mathematics education majors receive a multi-cultural/global perspective through their education courses and through the required history of mathematics course.

GOAL ATTAINMENT FRAMEWORK

B.S., Mathematics Education
Department of Mathematics

Academic Year 2002-03

March 11, 2002

Expected Outcome	Much Less than Expected	Less than Expected	Expected	More than Expected	Much More than Expected
% of graduates scoring above the 40th percentile on the ETS Major Field Achievement Test in Mathematics			80%		
% of graduates satisfied with their mathematics instruction, as indicated on the SLU Exit Survey			90%		
% of graduates who pass the National Teachers Exam			100%		
% of graduates who feel comfortable asking for letters of recommendation from at least three professors in the Mathematics Department as evidenced by the SLU Exit Survey.			100%		
% of graduates who feel they were given opportunities and support for attending professional mathematics meetings while a student at SLU as evidenced by the SLU Exit Survey			80%		
% of graduates who have career employment or will be enrolled in graduate school as evidence by the SLU Mathematics Post Exit Survey			60%		