

Mathematics Education Undergraduate Degree

Goal

The goal of the undergraduate mathematics education program is to provide appropriate mathematical training for prospective math teachers.

Intended Outcomes:

1. Students completing the undergraduate program in mathematics education will compare very favorably on a national basis with other seniors graduating in math.
2. 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.
3. Students completing the undergraduate program in mathematics education will demonstrate awareness of the diverse nature of mathematics as a body of knowledge and the importance of participation in learned societies in the field of mathematics.
4. Graduates will respond very favorably to the mathematics curriculum and overall learning environment.
5. One year after graduation, the majority of graduates will be employed in math-related fields or enrolled in graduate school.

Assessment:

1. Eighty percent of the graduates in the mathematics education program will score above the 40th percentile on the ETS mathematics field assessment.
2. Eighty percent of the graduates in the mathematics education program will score above the 40th percentile on the ETS mathematics field assessment.
3. One hundred percent of the graduates in the mathematics education program will have attended a professional mathematics meeting while a student at SLU.
4. Ninety percent of the graduates in the mathematics education program will respond with an average of '4' ("satisfied") on the departmental exit survey on all items, and one hundred percent of the graduates will feel comfortable asking for letters of recommendation from at least 3 professors in the Mathematics Department as evidenced by the departmental exit survey.
5. At least fifty percent of the graduates in the mathematics education program will be employed in math-related fields or enrolled in graduate school as evidenced by the post-exit survey.