

Mathematics Undergraduate Degree

Goal:

The goal of the undergraduate mathematics program is to provide appropriate mathematical training to prepare students for employment in industry and for graduate study in mathematics or in another field that requires mathematical knowledge.

Intended Outcomes:

1. Students completing the undergraduate program in mathematics 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 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.

Assessment:

1. Eighty percent of the graduates in the mathematics program will score above the 40th percentile on the ETS mathematics field assessment.

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3. One hundred percent of the graduates in the mathematics program will have attended a professional mathematics meeting while a student at SLU.

4. Ninety percent of the graduates in the mathematics 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 exit survey.