

ESTABLISH MATHEMATICAL PROBLEM SOLVING, MINOR-LIBERAL ARTS  
REPORT FOR THE UNIVERSITY SENATE

University Senate Committee: Academic Policies Committee

Brief History of Issue - why the issue is being considered:

The Department of Mathematics requests approval to establish a new minor in Mathematical Problem Solving - Liberal Arts. Students from a variety of majors often seek additional training mathematics but are hindered by the requirement for the full calculus sequence. This minor would provide a foundation in logical and creative thinking, communication of logical arguments, and mathematical problem solving. Students would be required to complete one calculus course but can then choose alternative options to meet their own needs and offer different points of view, such as probability or statistics. The curriculum for the minor includes 24 credits; students pursuing a math major cannot use this minor to meet graduation requirements.

Points Discussed by Committee:

1. Impact on math majors and students from other majors

Pros of Recommendation:

New minor is available to all students on campus. New minor will allow more students to pursue additional study in mathematics without requiring the full calculus sequence. The minor may attract students who previously pursued a double major in math and another field, perhaps allowing them to reduce time to graduation. The application-based nature of this minor may be useful for students from various fields.

Cons of Recommendation:

None

Technology/Human Resource Impact:

None

Committee Recommendation:

The committee approved the creation of a new minor in Mathematical Problem Solving, Minor - Liberal Arts.

ESTABLISH MATHEMATICAL PROBLEM SOLVING, MINOR-LIBERAL ARTS  
MOTION FOR THE UNIVERSITY SENATE

The University Senate Committee: Academic Policies Committee

by a vote of 7 for to 0 against on February 14, 2023 (Date)

Recommends that:

The creation of a new minor in Mathematical Problem Solving, Minor - Liberal Arts, starting 2023-2024 AY.

Implementation Date: 23/24 catalog

Signed: \_\_\_\_\_  
Chair of the Committee

Send to: University Senate Office