



GT PATHWAYS CONTENT CRITERIA: MATHEMATICS

○ GT-MA1: MATHEMATICS

State-level goal:

Collectively, the general education requirement in mathematics is designed to help students:

- Develop an understanding of fundamental mathematical concepts and their applications.
- Develop their quantitative problem-solving skills.
- Develop a level of quantitative literacy that provides a foundation for success in their programs of study, careers, and citizenship.

Content Criteria for Designating a Mathematics Course as GT Pathways:

This course should provide students with the opportunity to / Students should be able to:

- a) Demonstrate good problem-solving habits, including:
 - Estimating solutions and recognizing unreasonable results.
 - Considering a variety of approaches to a given problem, and selecting one that is appropriate.
 - Interpreting solutions correctly.
- b) Generate and interpret symbolic, graphical, numerical, and verbal (written or oral) representations of mathematical ideas.
- c) Communicate mathematical ideas in written and/or oral form using appropriate mathematical language, notation, and style.
- d) Apply mathematical concepts, procedures, and techniques appropriate to the course.
- e) Recognize and apply patterns or mathematical structure.
- f) Utilize and integrate appropriate technology.

Required Competencies and Student Learning Outcomes (SLOs) for Designating a Mathematics Course as GT Pathways:

All **GT-MA1** courses shall include:

- GT Pathways competency in *Quantitative Literacy*, including SLOs1-5.
- SLO 6 is required of Statistics courses only.

Maximum Number of Credits in Mathematics That Are Guaranteed to Transfer:

The total number of Mathematics credits guaranteed to transfer in the GT Pathways curriculum is three (3) (one course or an integrated set of courses).