



**gtPATHWAYS 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 gtPathways:**

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

**Competency Criteria for Designating an Other Mathematics Course as gtPathways:**

All GT-MA1 courses shall include:

- gtPathways competency in Quantitative Literacy, including student learning outcomes 1-5. In addition, student learning outcome 6 is required of statistics courses only.

**Maximum number of Mathematics credits that are guaranteed to transfer:**

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