



**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:

- 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
- Generate and interpret symbolic, graphical, numerical, and verbal (written or oral) representations of mathematical ideas
- Communicate mathematical ideas in written and/or oral form using appropriate mathematical language, notation, and style
- Apply mathematical concepts, procedures, and techniques appropriate to the course
- Recognize and apply patterns or mathematical structure
- Utilize and integrate appropriate technology

**Competency Criteria for Designating a Mathematics Course as gtPathways:**

All GT-MA1 courses shall include:

- [GT Pathways competency in Quantitative Literacy, including student learning outcomes 1-5. In addition, student learning outcome 6 is required of statistics courses only.](#)
- ~~GT Pathways competency in Problem Solving, including student learning outcomes 1-5.~~

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**Maximum number of Mathematics credits 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).

