

CONTENT: MATHEMATICS
General Education
“Guaranteed Transfer” Course Criteria

State-level Goal:

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

- develop understanding of fundamental mathematical concepts and their applications.
- develop a level of quantitative literacy that would enable them to make decisions and solve problems and which could serve as a basis for continued learning.

Criteria for Designating a Mathematics Course as State Guaranteed:

1. The **content** of a “state guaranteed” mathematics course shall be designed to provide students experience to know how to:

- a). Select data relevant to for solving a problem.
- b). Interpret and draw inferences from mathematical models such as formulas, graphs, and tables.
- c). Represent mathematical information symbolically, visually, numerically, and verbally.
- d). Use several methods, such as algebraic, geometric, and statistical reasoning, to solve problems.
- e). Estimate and verify answers to mathematical problems in order to determine reasonableness, identify alternatives, and select optimal results.
- f). Demonstrate an ability to generalize from specific patterns of events and phenomena to more abstract principles, and to proceed from abstract principles to specific applications.
- g). Recognize that mathematical and statistical methods have limitations.

AND

2. Competency in Mathematics.
3. Competency in Critical Thinking

Courses from disciplines other than mathematics may be nominated if the above criteria are met.

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).

11/30/2005