GT PATHWAYS CONTENT CRITERIA: NATURAL & PHYSICAL SCIENCES

- **GT-SC1**: COURSE WITH REQUIRED LABORATORY
- **GT-SC2**: LECTURE COURSE WITHOUT REQUIRED LABORATORY

State-level Goal:

Collectively, the general education requirement in Natural & Physical Sciences is designed to develop students’ scientific literacy.

Content Criteria for Designating a Natural & Physical Sciences Course as GT Pathways:

1. The lecture content of a GT Pathways science course (GT-SC1 or GT-SC2):
   
   Students should be able to:
   
   a. Develop foundational knowledge in specific field(s) of science.
   b. Develop an understanding of the nature and process of science.
   c. Demonstrate the ability to use scientific methodologies.
   d. Examine quantitative approaches to study natural phenomena.

2. The laboratory (either a combined lecture and laboratory, or a separate laboratory tied to a science lecture course) content of a GT Pathways science course (GT-SC1):
   
   Students should be able to:
   
   a. Perform hands-on activities with demonstration and simulation components playing a secondary role.
   b. Engage in inquiry-based activities.
   c. Demonstrate the ability to use the scientific method.
   d. Obtain and interpret data, and communicate the results of inquiry.
   e. Demonstrate proper technique and safe practices.

Required Competency Criteria and Student Learning Outcomes (SLOs) for Designating a Natural & Physical Sciences Course as GT Pathways

All GT-SC1&2 courses shall include:

- GT Pathways competency in *Quantitative Literacy*, including SLOs 1 & 2.

Maximum number of science credits that are guaranteed to transfer:

The total number of science credits guaranteed to transfer in the GT Pathways curriculum is seven (7) (two courses, one of which may be a non-laboratory science course).