



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 *Inquiry & Analysis*, including SLOs 4, 5 & 6.
- 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).