



## **gtPATHWAYS 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 and Physical Sciences is designed to develop students' scientific literacy.

### **Content Criteria for Designating a Natural and Physical Sciences Course as gtPathways:**

1. The lecture content of a gtPathways 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 the scientific method.
  - 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 gtPathways 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



**COLORADO**

Colorado Commission on  
Higher Education

Department of Higher Education

## **Competency Criteria for Designating a Natural & Physical Sciences Course as gtPathways**

All GT-SC1&2 courses shall include:

- gtPathways competency in Inquiry & Analysis, including student learning outcomes 3, 4 & 5.
- gtPathways competency in Quantitative Literacy, including student learning outcomes 1 & 2.

### **Maximum number of science credits that are guaranteed to transfer:**

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