



FINAL

DRAFT: October 29, 2015

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notes

N & PS

Apr 15, 2016

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. ^{ologies}
 - 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



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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).