**GT-SC1 Natural and Physical Science Course with Required Laboratory**

The Colorado Commission on Higher Education has approved [course] for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT-SC1 category. For transferring students, successful completion with a minimum C‒ grade guarantees transfer and application of credit in this GT Pathways category. For more information on the GT Pathways program, go to <https://highered.colorado.gov/guaranteed-transfer-gt-pathways-general-education-curriculum-0>.

**Content Criteria**

1. The lecture content of a GT Pathways science course (**GT-SC1** or GT-SC2):
   1. Develop foundational knowledge in specific field(s) of science.
   2. Develop an understanding of the nature and process of science.
   3. Demonstrate the ability to use scientific methodologies.
   4. 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**):
   1. Perform hands-on activities with demonstration and simulation components playing a secondary role.
   2. Engage in inquiry-based activities.
   3. Demonstrate the ability to use the scientific method.
   4. Obtain and interpret data, and communicate the results of inquiry.

Demonstrate proper technique and safe practices.

**Competencies and Student Learning Outcomes**

[***Inquiry & Analysis***](http://highered.colorado.gov/Academics/Transfers/gtPathways/Criteria/competency.html)***:***

1. **Select or Develop a Design Process**
2. Select or develop elements of the methodology or theoretical framework to solve problems in a given discipline.
3. **Analyze and Interpret Evidence**
4. Examine evidence to identify patterns, differences, similarities, limitations, and/or implications related to the focus.
5. Utilize multiple representations to interpret the data.
6. **Draw Conclusions**
7. State a conclusion based on findings.

## [*Quantitative Literacy*](http://highered.colorado.gov/Academics/Transfers/gtPathways/Criteria/competency.html)*:*

1. **Interpret Information**
2. Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words).
3. **Represent Information**
   1. Convert information into and between various mathematical forms (e.g., equations, graphs, diagrams, tables, words).