



Physical Science Mission Statement and Educational Goals

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Division:

Math & Science

Discipline:

Physical Science

Mission Statement

The Physical Science Department at Southwestern Illinois College recognizes the importance of a scientifically literate community. Our faculty is committed to assisting students, through learning and assessment, in both the understanding of the scientific principles and the development of fundamental analytical skills necessary to succeed in Baccalaureate or career programs.

Educational Goals

This Discipline/Program at Southwestern Illinois College will graduate students that can:

1. Apply the concepts and fundamentals of the physical sciences.
2. Demonstrate critical thinking and problem-solving skills.
3. Communicate technical information effectively.
4. Explain and manipulate measurements, scales, and unit conversions.
5. Collect, process, and interpret scientific data.
6. Construct and interpret graphs, maps, and other visual representations of data.
7. Perform safely in a laboratory setting.
8. Develop an awareness of the physical world and its impact on daily life as well as our impact on the physical world.
9. Assess the scientific worth of information such as those provided by popular media.