

GENERAL SCIENCE (GSCI)

GSCI1080 | Environmental Science | Lecture (3 Credits)

Scientific principles, concepts and methodologies required to understand the interrelationships of the natural world.

General Education: Natural Sciences

GSCI1081 | Environmental Science with Lab | Lecture/Laboratory (3 Credits)

Scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Labs included.

General Education: Physical Sciences with Lab

GSCI1095 | How Science Explores the Natural World | Lecture (3 Credits)

Explore science as a process rather than a set of topics. Analyze studies of natural phenomena and determine how they align to the scientific method and how they deviate from it. Rate them based on their adherence to scientific practice. Distinguish what is science from what is not.

General Education: Natural Sciences

GSCI1500 | General Electrical Science | Lecture/Laboratory (3 Credits)

This course covers the basic theory and application of electrochemical science. It is targeted toward students who want to better understand the significance of electrochemistry, how electrical, chemical, and mechanical energy are linked. In this course, you will combine the concepts of Gibbs Free Energy, electron flow, and chemical transformation. Course content builds upon chemical reactivity to include electron transfer, electromotive force, and energy storage. Applications to advanced energy systems will also be discussed.

General Education: Physical Sciences with Lab

GSCI3000 | Applied Environmental Science with Lab | Lecture/Laboratory (3 Credits)

The practical application of scientific principles as they relate to environmental health and sustainability. Labs included.

General Education: Physical Sciences with Lab

GSCI3100 | Materials System Chemistry | Lecture/Laboratory (3 Credits)

Examine microstructure controls of properties and processing controls of microstructure. Through processing, the properties of materials can be engineered for different applications. Solve simple problems by conducting tests, interpreting results, determining the efficiency of materials used in construction and selecting materials based on performance indices to suit design specifications.

General Education: Natural Sciences