

Specialized Core Classes:

Health Science Majors:

Human Anatomy & Physiology 1 and Lab

BIOL 2301/2101 * ****

Principles of the structure/function of the human body. Lab includes viewing models, slides, and dissecting specimens.

Human Anatomy & Physiology 2 and Lab

BIOL 2302/2102 * ** ****

Continuation of BIOL 2301. Detailed study of body systems as well as blood, nutrition, and genetics.

Microbiology and Lab BIOL 2321/2121* **** **

Principles of microbiology dealing with the nature of microorganisms. Lab participates in experiments to examine, isolate, cultivate, and identify bacteria.

Chemistry for Health Sciences CHEM 1406 *

Essentials of organic and biological-chemistry.

- * College readiness in Reading.
- ** Completion with C or better in BIOL 2301/2101.
- *** Completion with C or better in BIOL2301//2101, CHEM 1406 or CHEM 1311/1111
- **** Concurrent enrollment is required.

Grayson County College
Science Department
Chairperson: Laurie Williams
903-463-8702

Office: S 102

Program Assistant: Debra Sexton
903 463-8797

Office: S 101

Full Time Faculty:

Jackie Butler, *Biology*

Office: S 105C

903 463-8667

Jane Carr, *Chemistry*

Office: S 205A

903-463-8668

Michael Keck, *Biology*

Office: S 105E

903 463-8617

Rick Lynn, *Geology*

Office: S 104

903 463-8656

Ryan McKinney, *Physics*

Office: S 102

903 463-8725

Ryan Myers, *Biology*

Office: S 205B

903 415-2584

Patrice Parsons, *Biology*

Office: S 105B

903 415-2557

Dusty Girard, *Geology/*

Geography

Office: S 105D

903 415-2595



Grayson County College Science Department

Core Curriculum Courses available for Science

Spring 2012

www.grayson.edu

Science Core Classes:

BIOLOGY

General Biology 1 and Lab

BIOL1306/1106 * ***

For majors and non majors. Covers general biological principles. Study the basic unit of life, the cell and its structure and function, inheritance, ecology, and evolution.

General Biology 2 and Lab

BIOL 11307/1107 * ***

Continuation of BIOL 1306. Includes diversity of animal and plant life, emphasis on anatomy, physiology, ecology, and evolution.

Survey of Human Anatomy & Physiology

BIOL 2404 *

A one semester course studying structure/function of the human body. In lab participation in experiments, view slides and models, and dissect specimens. Great beginners science class.

Biotechnology

BIOL 1414 * **

Where your future begins. Learn standard techniques for DNA analysis, (such as PCR, cloning) and about genetically modified organisms and their impact.



CHEMISTRY

General Chemistry 1 and Lab

CHEM 1311/1111 * ** *** ****

General study of inorganic chemistry including fundamental concepts, atomic structure and periodic table, and more. Lab includes general laboratory procedures.

General Chemistry 2 and Lab

CHEM 1312/1112 * ** *** ****

A continuation of CHEM 1311. General study of thermodynamics, kinetics, descriptive chemistry of the main group and transition metal elements, and more.

GEOLOGY

Earth Science and Lab

GEOL 1301/1101 * ***

Study of earth's position in space, its motions, climate, soils, vegetation and landform.

Physical Geology and Lab

GEOL 1303/1103 * ***

Study of topographic maps, rocks and minerals and processes and agents that effect the earth.

Historical Geology and Lab

GEOL 1304/1104 * ***

The earth and its inhabitants revealed in rocks. The time element in the formation of earth.

PHYSICS

College Physics 2 and Lab

PHYS 1302/1102 * ** ***

C or better in PHYS 1301/1101

A continuation of Physics 1301. Includes electricity, magnetism, sounds, and light.

Physical Science 1 and Lab

PHYS 1315/1115 Surveys topics from physics, chemistry and astronomy, especially on science teaching competencies to pass Texas teachers certification exams.

Solar System and Lab

PHYS 1304/1104 * ***

Study of the sun and its solar system including origin.

- * College readiness in reading.
- ** College readiness in Math.
- *** Concurrent enrollment is required.