SCIENCE

VALLEY CHRISTIAN SCHOOLS™ HIGH SCHOOL
"Do it heartily as to the Lord." Col. 3:23

"For since the creation of the world His invisible attributes, His eternal power and divine nature, have been clearly seen, being understood through what has been made" **(Romans 1:20).**

DESCRIPTION OF EXCELLENCE

God's creative acts provide the foundation for scientific discovery. Students explore the wonder of the laws and principles that govern the universe while developing marketplace skills.

SCIENCE DEPARTMENT FACULTY

Our Science Department faculty includes twelve teachers with master's or doctoral degrees.

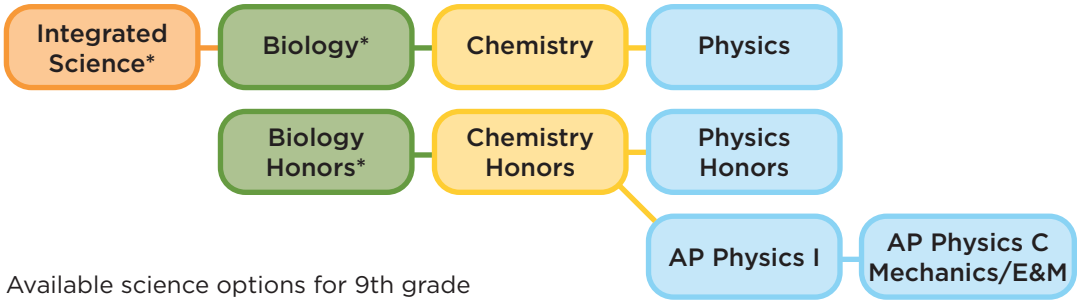
SCIENCE DEPARTMENT DISTINCTIVES

- Offers extensive experimentation and real-life simulations using state-of-the-art and industry-standard equipment.
- Pursuit of scientific research through competitions such as the Synopsys Science and Technology Championship.
- Offers science competitions such as Physics Olympiad, Bio Olympiad, F=ma test and others.
- Opportunities for research using equipment such as the Moxi Flow™ cytometer and the SpectraMax® M2 Microplate Reader.
- On-campus Observatory
- Faculty with industry experience that can connect real life practices to the science being taught.
- The Science Department faculty are linked to the many programs offered through our AMSE after-school programs.
- The Science Department participates in VCHS' Dual Credit Program, which allows students to take specified classes for college credit.

CSU Requirements:
Two years of lab science, specifically one year of physical science and one year of biological science (Integrated Science can meet this requirement).

UC Requirements:
Biology, Chemistry, or Physics (all three preferred)

SAMPLE SCIENCE COURSE PROGRESSIONS



* Available science options for 9th grade

ADDITIONAL SCIENCE COURSE OPTIONS

VCHS offers additional science courses, but students must meet prerequisites for coursework, grades earned, and grade level. Science prerequisite courses are listed below, but many science courses also have math prerequisites. Students should refer to each course description for additional prerequisite information.

COURSE PREREQUISITE: BIOLOGY
See course descriptions for grade level and course grade specifics.
- Forensic Science
- Marine Biology

COURSE PREREQUISITES: BIOLOGY (WITH CONCURRENT ENROLLMENT IN CHEMISTRY)
See course descriptions for grade level and course grade specifics.
- Scientific Research

COURSE PREREQUISITES: BIOLOGY AND CHEMISTRY
See course descriptions for grade level and course grade specifics.
- Anatomy and Physiology
- AP Biology
- Anatomy and Physiology Honors
- AP Environmental Science

COURSE PREREQUISITE: CHEMISTRY HONORS
See course descriptions for grade level and course grade specifics.
- AP Chemistry

SCIENCE COURSES

Two years of science are required to graduate from VCHS. Students are encouraged to take Biology and Chemistry courses, and Physics is recommended for those looking to be accepted to a University of California campus. VCHS recommends that students take at least three years of science to be strong college applicants.

This map is a general planning tool, intended to show the course and typical student tracks. Students should consult with their academic counselors and teachers to find the best classes to meet their academic and spiritual goals. Please check our high school Course Catalog for any applicable course prerequisites. Courses offered may vary from year to year.

Scan QR Code to View the Course Catalog or Visit vcs.net/hscoursecatalog