# West Campus Science Electives

• West Campus offers many science electives from which to choose.

- Each course has its own set of prerequisites which must be met prior to enrollment.
- Students must successfully complete courses in Biology and Chemistry prior to enrolling in these electives.
- Most four-year colleges require successful completion of three years of science to be considered for admission.
- Students with an interest in the sciences may choose to enroll in more than one science elective at a time.







### Prerequisites

An "A" or "B" in Honors Chemistry or an "A" in Advanced Chemistry with a teacher recommendation. In addition, Students should be concurrently enrolled in Algebra 2 or a higher math course. It is recommended that enrolled students have earned a grade of "B" or higher in Honors Geometry, or a grade of "A" in Geometry.

**AP Physics 1-2** semesters

#### Description

In AP Physics 1, students will discover and test the laws that govern the physical world around them. Kinematics, Circular Motion, Simple Harmonic Motion, Linear Momentum, Work, Energy, Rotational Motion, Electrostatics, DC Circuits, Mechanical Waves, and Sound. This class will also prepare the students to take the AP Physics 1 exam. Students will work in groups and individually to test certain physics principles. During the investigations, students will take part in inquiry-based labs and will utilize high level math skills and computers to analyze data. STUDENTS SHOULD CHECK THEIR PROSPECTIVE COLLEGE TO VERIFY CREDIT AVAILABLE FOR THE AP TEST.







# <sup>1 semester</sup> Forensic Science

### Prerequisite:

•Successful completion of one year of science •This course can be taken concurrently with Advanced Physics Junior year

## **Description:**

- Forensic Science will introduce the student to the world of forensic science and crime scene investigation.
- This course is designed to cover topics in biology, chemistry, earth science, and physics.
- •The focus of this course will be real-life scenarios implemented in the laboratory.
- Students will be expected to think critically, apply theory, analyze data and draw conclusions to solve simulated crimes.