

Recommendation Guidelines For WHRHS Science Department
Current High School Students Only

9th Grade Biology to 10th grade Chemistry

Class	Grade Required	Course Recommendation
Biology CP	60-89 in Biology CP	Chemistry CP
Biology CP	90 or above in Biology CP 80 or above in Geometry A 95 or above in Geometry CP If in Algebra 1 CP, 95 or better needed If in Algebra 1 A, 90 or better needed	Chemistry A
Biology A	60-70 in Biology A	Chemistry CP
Biology A	71-89 in Biology A 80 or above in Geometry A 95 or above in Geometry CP	Chemistry A
Biology A	90 or above in Biology A 80 or above in Geometry H 90 or above in Geometry A	Chemistry H
Biology H	60-79 in Biology H 80 or above in Geometry A 95 or above in Geometry CP	Chemistry A
Biology H	80 or above in Biology H 80 or above in Geometry H 90 or above in Geometry A	Chemistry H

- **Students in Chemistry H class must have completed Geometry.**

10th Grade Chemistry to 11th grade Physics

Class	Grade Required	Course Recommendation
Chemistry CP	60-89	Physics CP
Chemistry CP	90 or above Must have completed Algebra 2	Physics A
Chemistry A	60-70	Physics CP
Chemistry A	71-94 Must have completed Algebra 2	Physics A
Chemistry A	95 or above Must have completed Algebra 2	Physics H
Chemistry H	60-79 Must have completed Algebra 2	Physics A
Chemistry H	80 or above Must have completed Algebra 2	Physics H

- **Students in Physics A or H class must have completed Algebra 2.**
- **Students in Physics CP should be concurrently taking Algebra 2 if not completed already.**

Advanced Placement Courses

Course	Biology H Grade	Chemistry H Grade	Biology A Grade	Chemistry A Grade
Advanced Placement Biology	85 and up	85 and up	95 and up	95 and up

Course	Biology H Grade	Chemistry H Grade	Biology A Grade	Chemistry A Grade
Advanced Placement Chemistry *	85 and up	85 and up	95 and up	95 and up

*** It is strongly recommended students in AP Chemistry complete a sequence of Algebra 1-Geometry-Algebra 2**

Course	Physics H Grade	Physics A Grade
Advanced Placement Physics C *	85 and up	95 and up

***Students taking AP Physics must be taking AP Calculus BC or AB, or Calculus A concurrently with AP Physics or have already taken one of these math classes previously**

Course	Biology H Grade	Chemistry H Grade	Biology A Grade	Chemistry A Grade
Advanced Placement Environmental Science	80 and up	80 and up	90 and up	90 and up

Project Lead the Way and Engineering Courses

Course	Prerequisite
Introduction to Engineering Design A (full year)	None
Principles of Engineering A (full year)	Introduction to Engineering Design
Digital Electronics A (full year)	None
CAD Architecture (full year)	None
Civil Engineering Architecture A (full year)	CAD Architecture
Aerospace Engineering A (full year)	Chemistry A, Physics A

Science Electives Other Than Advanced Placement

Course	Prerequisite
Astronomy	Successful completion of Biology and Chemistry 1st semester of Physics complete
Physics 2A (full year)	80 or better in Physics A/H 90 or better in Physics CP Precalculus w/ Trig completed or concurrently
Human Biology (semester only)	Successful completion of Biology and Chemistry
Marine Science (semester only)	Successful completion of Biology and Chemistry
Ecology (semester only)	Successful completion of Biology and Chemistry
Organic Chemistry H (semester only)	80 or better in Chemistry H 90 or better in Chemistry A
Forensics Chemistry A (semester only)	90 or better in Chemistry CP 80 or better in Chemistry A 75 or better in Chemistry H
Forensics Chemistry H (semester only)	80 or better in Chemistry H 90 or better in Chemistry A
Experimental Research Design H (full year)	Teacher Recommendation and Consultation with Director of Science
