

SFMHS Science Course Prerequisites 2020-2021

Please note that, although the state of Florida requires three science credits for graduation, students who wish to go to college most likely need at least one science course for every year they are in high school. The only specific science course required for graduation is Biology or Biology Honors; beyond that, the selection process for subsequent science coursework should be dictated by a combination of ability, interest, drive, and availability of time to complete out-of-class practice.

Courses	Required Prerequisites	Recommended Prerequisites	Additional Notes
Environmental Science	Freshmen: FSA ELA Level 1-2		Student must take biology as a sophomore
Biology	Freshmen – level 3 (some high level 2's) Sophomores and up: passed Environmental Science, OR passed Environmental Science Honors with a D	Required for graduation; EOC counts as 30% of year grade	
Biology Honors	Freshman: FSA ELA Level 4-5 Sophomores and up: passed Environmental Science Honors with an A-C	Required for graduation; EOC counts as 30% of year grade	
Anatomy and Physiology	Passed biology/biology honors with an A-B		
Marine Science	Open enrollment		
Marine Science Honors	Reading level 3 AND A-B in previous sciences		
Physical Science	Open enrollment		This course touches on both physics and chemistry in a conceptual rather than calculations-based way, so is a good placement for students who need to ramp up their math skills before tackling either physics or chemistry
Agriscience 1	Open enrollment		Certification possible at the end of the year.
Physics	Passed Biology		Math-heavy science.

	<p>Passed Algebra 1 with a C or better</p> <p>Passed Geometry with a C or better, or concurrently enrolled in Geometry</p>		
Physics Honors	<p>Passed Biology with a B or better</p> <p>Passed Algebra 1 with a B or better</p> <p>Passed Geometry with a B or better, or concurrently enrolled in Geometry</p>		Math-heavy science.
Chemistry	<p>C or better in biology AND C or better in Algebra 1</p> <p>Concurrently enrolled in Geometry OR took and passed Geometry with a C or better</p>		Math-heavy science.
Chemistry Honors	<p>A or B in biology AND A or B in Algebra 1</p> <p>Concurrently enrolled in Geometry OR took and passed Geometry with an A or B</p>		<p>Algebra 1 is a better predictor of success in Honors Chemistry than Biology. This is a math-heavy science.</p> <p>Most colleges and universities now require a placement exam for first-semester freshman college chemistry. This course is designed to prepare students to take and pass that placement exam.</p>

AP Biology	Took and passed Biology/Biology Honors	Taken and passed Chemistry/ Chemistry Honors OR be willing to do an introductory chemistry lesson via a summer assignment OR attend AP Summer Bootcamp	Do not enroll students in this course if they are also taking AP Chemistry or AP Physics. Seniors who need a third science for gradation are strongly advised against taking this course unless they are also enrolled in another non-AP science.
AP Environmental Science	Took and passed biology/biology honors with an A-C Took and passed Algebra 1 with a C or better		This course is suggested for first-time AP Science students, and can be taken alongside other science courses like chemistry or ONE other AP Science. Seniors who need a third science for gradation are strongly advised against taking this course unless they are also enrolled in another non-AP science.
AP Chemistry	A or B in chemistry (preferably honors) A or B in Algebra 1	The more math that has been taken successfully (C or better), the better the student will do in this class.	This course is a CONTINUATION of first-year chemistry. Do not place students in this class who have not yet taken on-level or honors chemistry. Do not enroll students in this course if they are also taking AP Biology or AP Physics. Seniors who need a third science for gradation are strongly advised against taking this course unless they are also enrolled in another non-AP science.
DE Intro to Environmental Science	Must meet requirements for dual enrollment: FSW - Requires minimum 3.0 unweighted GPA and college ready test scores. PERT: Reading 106 English 103 Math 114 ACT: Reading 19 English 17 Math 19 SAT: Reading 24 Writing 25 Math 24		

