# STEVENSON

## Science Placement Requirements
## Returning Students 2023

Placements for returning students are recommended by the current teacher in cooperation with the student, and ultimately confirmed by the science department.

<u>Grade 10</u>:  All grade 10 students at Stevenson take Science 2 or Science 2 Honors.  Most take our regular level course, which is Science 2, and a few take Science 2 Honors. Science 2 Honors is available to returning students who are recommended by their teacher and confirmed by the head of the department.

<u>Grade 11 or 12</u>:  Most grade 11 and 12 students at Stevenson take science. Available courses are:

      a set of two <u>Semester Science Courses</u>
- Open to all grade 11 and grade 12 students

<u>Physics Honors</u>
- To qualify a student should have earned at least an average grade of A- in Science 2, or B+ in Science 2 Honors, or a B in an AP science course  and received permission from the science department.

<u>AP Biology</u>
- To qualify a student should have earned at least an average grade of A in Science 2, or A- in Science 2 Honors, or an A- in a Biology booster elective (a Biology elective marked with an * in the curriculum guide), and received permission from the science department.

<u>AP Chemistry</u>
- To qualify a student should have earned at least an average grade of A in Science 2, or A- in Science 2 Honors, or an A- in a Chemistry booster elective (a Chemistry elective marked with an * in the curriculum guide), and received permission from the science department.

<u>AP Environmental Science</u>
- To qualify a student should have earned at least an average grade of A- in the preceding year's science course, or received permission from the science department.

AP Physics C
- Students in this course must have completed a calculus course with a B or better.
- To qualify a student should have at least an average grade of A in both Physics: Mechanics and Kinematics and Physics: Forces and Energy, or A- in Physics Honors, or mastered the equivalent material, and received permission from the science department.

## ENGINEERING COURSES

Engineering Design
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.
- To qualify a student should have earned B- or better grades in their preceding year's science course(s)  and in Intermediate Algebra or an AATP course.

Mechatronics Engineering
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.
- To qualify a student should have earned B- or better grades in their preceding year's science course(s) and in Intermediate Algebra or an AATP course.

## COMPUTER SCIENCE COURSES

Introduction to Programming
- Open to all students.
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.

Data Science
- To qualify a student should have earned a B+ or better in Introduction to Computer Science, or have the instructor's approval.
- To qualify a student should have earned a B+ or better in Introduction to Computer Science, or demonstrated to the instructor that they have a basic understanding of computer science and programming (ideally in Python).

AP Computer Science A
- To qualify a student should have earned a B+ or better in Programming Methodology, or an A- or better in Introduction to Computer Science, or have the instructor's approval
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.

<u>Advanced Programming</u>
- To qualify a student must have earned a B+ or better in Data Structures & Algorithms, or have the instructor's approval.
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.