STEVENSON

Science Course Eligibility Criteria
Returning Students 2024

Course eligibility for returning students is recommended by the current teacher in cooperation with the student, and ultimately confirmed by the science department.

Grade 10: 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 only by petition to students who have excelled in previous science and math courses. In addition, grade 10 students can choose a computer science or engineering course if they wish.

Grade 11 and 12: Most grade 11 and 12 students at Stevenson take science. Certain courses are available only by petition to students who have been successful in previous courses. In addition, grade 11 and 12 students can choose a computer science or engineering course if they wish. The offerings for grades 11 and 12 are:

SCIENCE COURSES

a set of two Semester Science Courses

- Open to all grade 11 and grade 12 students

AP Biology

- 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.

AP Chemistry

- 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.

Environmental Science Honors

- To qualify a student should have earned at least an average grade of A- or better in Science 2, or B+ or better from Science 2 Honors or junior year science electives, or received permission from the science department.

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Physics Honors

- 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.

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

Digital Fabrication 1

- Open to all grade 9 and grade 10 students.
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.

Digital Fabrication 2

- This course is open to grade 10 students only.
- Students choosing this course must concurrently enroll in Science 2 or Science 2 Honors
- To qualify a student should have passed Digital Fabrication 1 or have the permission of the instructor.

Disciplines in Engineering

- This course is open to grade 11 and 12 students only.
- 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, or have successfully taken Digital Fabrication 1, or have the permission of the instructor.

Mechatronics Engineering

- This course is open to grade 11 and 12 students only.
- 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, or have successfully taken Digital Fabrication 1, or have the permission of the instructor.

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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 Programming, or demonstrated to the instructor that they have a basic understanding of computer science and programming (ideally in Python).
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.

AP Computer Science A

- To qualify a student should have earned an A- or better in Introduction to Programming, 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.

Advanced Programming

- To qualify a student must have earned a B+ or better in AP Computer Science A, 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.