

STEVENSON

Science Placement Requirements New Students 2022

Placement to an honors or AP science course for a student new to the Pebble Beach Campus is based on a review of

- the transcript
- the math placement exercise
- possibly a conversation with one of our science teachers

Grade 9: All grade 9 students at Stevenson take Principles of Scientific Inquiry.

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.

Grade 11 and 12: Most grade 11 and 12 students at Stevenson take science. Available courses are:

a set of two Semester Science Courses

- Open to all grade 11 and grade 12 students

Physics Honors

- To qualify a student should have excelled in previous high school science classes, and received permission from the science department to take this course.

AP Biology

- To qualify a student should have excelled in previous high school science classes, and received permission from the science department to take this course.

AP Chemistry

- To qualify a student should have excelled in previous high school science classes, and received permission from the science department to take this course.

AP Environmental Science

- To qualify a student should have excelled in previous high school science classes, and received permission from the science department to take this course.

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AP Physics C

- To qualify a student should have excelled in previous high school science classes, including the equivalent of a year of high school physics, and received permission from the science department to take this course.

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 two years of high school science and in geometry or precalculus.

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 two years of high school science and in geometry or precalculus.

COMPUTER SCIENCE COURSES

Introduction to Computer Science

- 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 a basic understanding of computer science and programming (ideally in Python) similar to that gained from the Introduction to Computer Science class or another equivalent source, and have received permission from the head of the applied science and engineering department to take this course.
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.

Programming Methodology

- To qualify a student should have a basic understanding of computer science and programming similar to that gained from the Introduction to Computer Science class or another equivalent source, and have received permission from the head of the applied science and engineering department to take this course.
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.

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Data Structures & Algorithms / Honors

- To qualify a student should have mastered topics in our Programming Methodology course, including object-oriented programming and writing and using classes in Python.
- Students choosing this course must concurrently enroll in a year of lab science or have successfully completed three years of lab science.