



2017-18 SLHS Science Pathways

科學路徑

[Next Generation Science Standards](#)
[CA Science Framework](#)

下一代科學標準，加州科學課程大綱

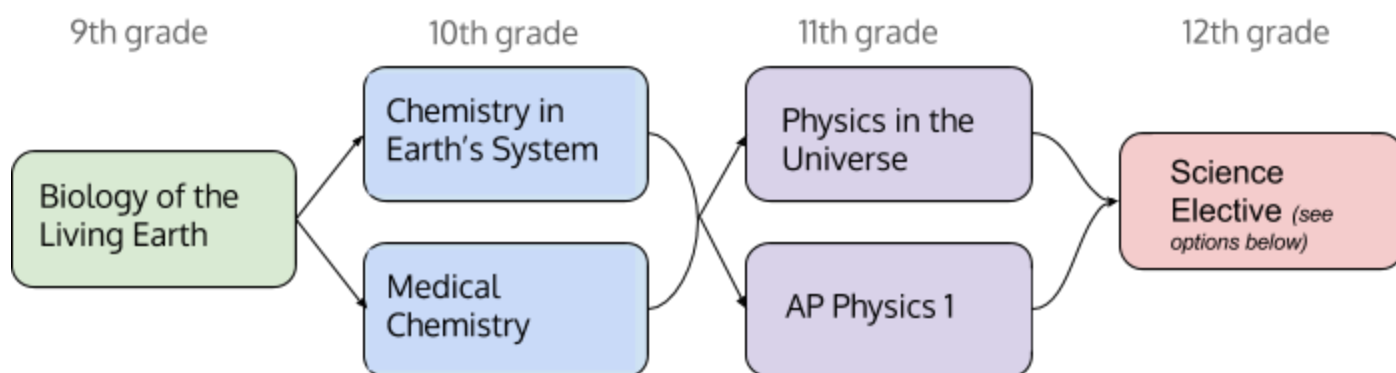
SLHS Graduation Requirement SL高中 畢業要求	2 years (1 life science and 1 physical science) 2年(1年生命科學及1年物理科學)
CA Science Standards Framework 加州科學標準大綱	3 or more years (Earth and Env. Science integrated into Biology, Chemistry and Physics courses for all students) 3年或以上 (地球及環境科學融合於生物，化學，及物理課程)
University of California (UC) 加州大學 (UC)	3 or more years of approved "d" courses 3年或以上得到認可的 "d"課程
California State Universities (CSU) 加州州立大學 (CSU)	2 or more years of approved "d" courses 2年或以上得到認可的 "d"課程

Recommended SLHS Science Sequence

推薦的SL高中科學修讀流程

Below is a flowchart illustrating the course sequence recommended for students to meet both the state standards and the UC/CSU college entrance requirements.

以下是推薦給學生的課程修讀流程，去達到州標準及UC/CSU入學要求。



Students interested in taking more than two AP science courses or replacing certain core courses described above, with approved courses below, will need to discuss options with their school counselor. Students may enroll in more than one science course per year if they are interested and their schedule permits. Alternately, they can take the extra course through concurrent enrollment at a community college after-school or in the summer.

學生有興趣修讀多過2個AP(高級)科學課程或取代某個以上提及的核心課程，認可課程，須先與顧問導師討論。學生可以每年修讀多過一個科學課程，若他們有興趣而上課時間表亦許可時。另一個途徑是，學生可以在社區大學同時修讀額外課程，在下課後或在暑假。

Science Electives (科學自選課程)

Courses approved "d: Laboratory Science" by the University of California are marked with an (*). Courses approved "g: Elective" are marked with a (▲).

加州大學認可課程 "d: 實驗室科學" 註有(*)。認可課程 "g: 自選科" 註有 (▲)。

- AP Biology 高級生物學 *
- AP Chemistry 高級化學*
- AP Physics 1 & 2 高級物理學*
- AP Environmental Science 高級環境科學*
- Environmental Science 環境科學▲
- Anatomy/Physiology 解剖學/生理學*
- Forensic Biology 法醫生物學*
- Sports Medicine 運動醫學
- Genetics/Biotech 遺傳學/生物技術

Advanced Placement Courses 高級課程

Advanced Placement (AP) courses are rigorous college-level courses that prepare students to take an examination to qualify for college credit for that course. The College Board shares recommendations (not requirements) for which classes students should take prior to each AP course:

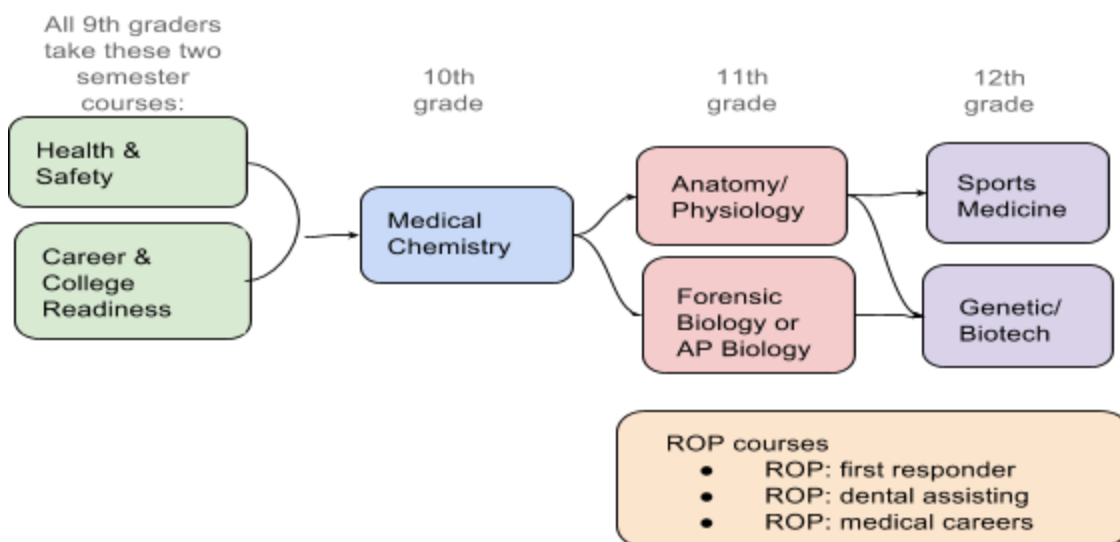
高級AP課程是嚴謹的大學課程準備好學生去考試去得到大學的學分。大學董事局推薦(不是要求)一些課程學生應該先修讀然後才修讀AP課程：

- **AP Biology:** Recommended completion of Biology & Chemistry
AP 生物學：推薦先完成生物及化學
- **AP Chemistry:** Recommended completion of Chemistry and Algebra 2
AP 化學：推薦先完成化學及代數2
- **AP Physics 1:** Recommended completion of Geometry and concurrent enrollment in Algebra 2
AP 物理學 1: 推薦先完成幾何及同時修讀代數2
- **AP Physics 2:** AP 物理學 2

Biomedical Health Pathway 生物醫學健康路徑

Students interested in medical and health careers are encouraged to join the Biomedical Health Pathway. These courses are recommended to be taken in addition to their core science courses outlined above.

鼓勵有興趣修讀醫學及健康職業的學生加入生物醫學健康路徑課程。推薦修讀這些額外課程，在以上主要科學課程之外。



Notes:

- 11th graders need to take physics in addition to their pathway course
- taking just one ROP course counts for full pathway completion

Concurrent Enrollment @ Chabot College

同時在Chabot學院修讀的課程

These courses are free for high school students

這些課程免費提供給高中學生

Biology 10 is comparable to high-school Biology and is offered this summer during the day in person.

生物學10等同高中生物課程，這個暑期提供，日間在班上上課。

Chem 10 "Intro to Chemistry": most comparable to high-school chemistry and has no math prerequisite. (*offered this summer as a hybrid course, which means the class meets in person for Lab only and the rest is conducted online*).

化學10 "化學科入門"：接近高中化學，沒有數學要求。(這個暑期提供，混合式課程，參與班上實驗室，其餘在網上完成。)

Chemistry 30A "Introductory and Applied Chemistry" is geared for Allied Health students has a Math 65 prerequisite (*elementary algebra*) so students would need to get an override through a counselor and possible exam.

化學30A "介紹及應用化學"，提供給修讀健康課程的學生，要求有完成數學65(基本代數)，若在高中已修讀，學生可向顧問導師索取許可跳過及可能的考試。

<https://www.chabotcollege.edu/counseling/assessment/schedule-hs-concurrent.php>