



The Academy of Science and Medicine

Crescenta Valley High School

<https://academyofscienceandmedicine.weebly.com>

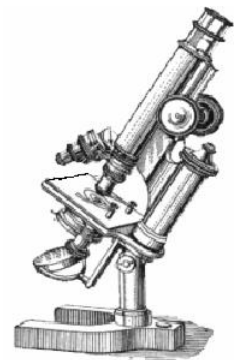
The Academy of Science and Medicine is a career pathway program offering students the opportunity to explore the various careers available in the fields of science and medicine. As sophomores, Academy students participate in Academy sponsored activities and go on many field trips. Sophomores also take Biotechnology, a course that gives them experience in the latest techniques and equipment used in today's medical and research laboratories.

As juniors, Academy students take two semesters of CTE courses which include: Sports Medicine, Advance Sports Medicine, Water Safety and Lifeguarding, Medical Terminology (MOA 182), Electronic Medical Records (MOA 180), Disease Process (HIT197), EKG, Emergency Medical Technology (EMT 139), Hospital Occupations, and Science Research. Some of our students are eligible to choose a full year of Science Research Class but you must get prior approval from Ms. Tuason. Academy students continue to participate in traditional high school classes and activities.

It is the State of California's goal that all members of the Academy meet the Cal State/UC A-G entrance requirements.

For Students who are accepted, the Academy Offers a Number of Advantages:

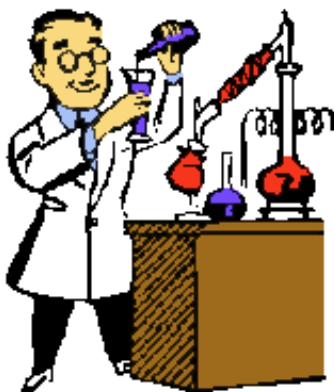
- A **4-year record** of solid commitment to a scientific course of study
- Classes that are in line with the students' interests (**4 years of science classes**)
- An opportunity to be with peers who share their interest in science and/or medicine
- A chance for students to know their teachers outside of the classroom
- Academy-sponsored social events, exciting and educational field trips
- Information about the many careers in science and medicine
- Preparation for a college major or career in science or medicine
- A chance to network with science and medical professionals in their work place



The Academy Requires All Students to:

1. Have **NO** F's at the end of each semester in Academy courses
2. Maintain satisfactory citizenship grades – have **NO** U's at the end of each semester
3. Any Academy member having difficulty with grades and/or citizenship will go on academic probation and will be provided with substantial support from Academy teachers and Academy student tutors/mentors
4. Obtain a minimum of 25 hours of Academy participation. The following is a sample combination
 - a) Attend the Academy Family Picnic (Required) – 4 hours of Academy credit
 - b) Attend Health Career Night (Required) - 2 hours of Academy credit
 - c) Attend The Academy Banquet (Required) - 2 hours of Academy credit
 - d) Attend the Monthly Meetings/Socials (Recommended) - 1 hour of Academy credit
 - e) Attend two field trips – each field trip is worth 6 hours of Academy credit
 - f) Attend two Academy movies – each movie is worth 2 hours of Academy credit
 - g) Attend one lunchtime presentation– each speaker is worth 0.5 hour of Academy credit

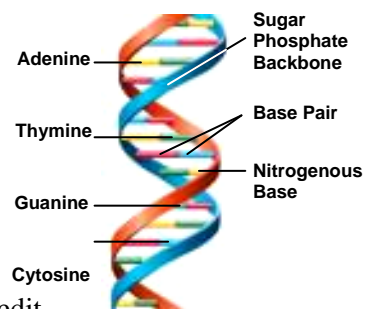
Students Applying for Membership into the Academy



1. Complete and submit an Application for the Academy of Science & Medicine and Parent Consent Form.
2. Begin taking prerequisite courses for UC approved science courses.
3. You will be programmed into Academy courses over the summer.
4. Acceptance into the Academy of Science and Medicine will be based on the following criteria:
 - a) having a satisfactory citizenship record – any U's must be explained and exemption granted
 - b) writing an application paragraph showing a firm desire to participate in Academy activities
5. Students who are selected for the Academy will receive a letter of acceptance over the summer.

Requirements for Sophomores (10th Grade Academy Students)

1. You must maintain satisfactory grades. If you are having academic difficulty you must ask for, and be willing to work with Academy teachers and Academy student tutors/mentors to change your study habits in order to improve your grades.
2. You must maintain satisfactory citizenship – no U’s on your semester report cards. Any U’s must be satisfactorily explained to Academy officials to receive an exemption in order to remain in the Academy. U’s in citizenship given for disruptive or disrespectful behavior is not acceptable.
3. You must obtain a minimum of 25 hours of Academy participation credit.
 - a. Attend the Academy Family Picnic (Required) – 4 hours of Academy credit
 - b. Attend Health Career Night (Required) - 2 hours of Academy credit
 - c. Attend The Academy Banquet (Required) - 2 hours of Academy credit
 - d. Attend the Monthly Meetings/Socials (Recommended) - 1 hour of Academy Credit
 - e. Attend field trips (6 hours of Academy credit), Academy movies (2 hours of Academy credit), and lunchtime presentations (0.5 hours of Academy credit)
4. You will receive an Academy Logo T-shirt to be worn at all Academy events.
5. You must satisfactorily complete Biotechnology (or other pre-approved class by Ms. Tuason).
6. You must sign up for two semesters of the Academy courses described in #5 under Requirements for Juniors.



Requirements for Juniors (11th Grade Academy Students)

1. Juniors will automatically be accepted for a second year in the Academy of Science and Medicine if you have successfully completed all Academy requirements as a sophomore.
2. You must maintain satisfactory citizenship – no U’s on their semester report cards. Any U’s must be satisfactorily explained to Academy officials to receive an exemption in order to remain in the Academy. U’s in citizenship given for disruptive or disrespectful behavior is not acceptable.
3. You must have a minimum of 25 hours of Academy participation credit as described above in the “Requirements for Sophomores” section.
4. You will receive an Academy Polo shirt that is to be worn at all Academy events and your internship.
5. You must successfully complete two semesters from the following courses: Sports Medicine, Advance Sports Medicine, Water Safety and Lifeguarding, Medical Terminology (MOA 182), Electronic Medical Records (MOA 180), Disease Process (HIT 197), EKG, Emergency Medical Technology (EMT 139 at GCC or Hoover High School), Hospital Occupations, or Science Research Class. Some of our students are eligible to choose Robotics but you must get **prior approval** from Ms. Tuason. If for any reason you do not complete these courses, you must complete this requirement as a senior in addition to the senior requirements but you need prior approval from Ms. Tuason.

Requirements for Seniors (12th Grade Academy Students)

1. You must obtain a minimum of 20 hours of Academy participation credit. These hours may be obtained through participation in the 3 required events (The Academy Picnic, Health Career Night, and The End-of-the-Year Banquet), monthly meetings/socials, field trips, movies, and lunchtime presentations. If you present a topic as a speaker, you will be given 2 hours of credit.
2. You must perform at least 30 hours of mentoring and/or tutoring of Academy students who are having academic difficulty. You must keep a record of your meetings with your student, and report regularly to an Academy official.
3. Any senior having study hall (no class) will report regularly to an assigned Academy Science teacher to assist students having academic difficulty in their class.
4. You must participate in a 40-hour internship and submit a typed summary describing your internship.
5. You must pass four years of A-G UC- approved science classes by your graduation.
6. You must attend the End-of-the-Year Banquet in May. This is a required activity and is the only time the red stethoscopes will be handed out.
7. As a reward for completing your internship, and meeting all the Academy requirements you will wear a red stethoscope during graduation ceremonies and will receive a full color Medical, Nursing & Allied Health Dictionary.