



What is Silicon Valley Career Technical Education (SVCTE)?



We are a **Science, Technology, Engineering, Arts, and Mathematics (STEAM) high school program** offering 23 courses (18 of which are UC "a-g" approved) that prepare students for college and future careers.

The program is **FREE** for qualified 11th & 12th grade students who are training for a specific career path. Students who enroll in the program must commit to the **morning** (7:30 a.m. - 9:30 a.m.) or **afternoon** (12:30 p.m. - 3:30 p.m.) session Monday - Friday. Bus transportation is provided from the student's home high school to SVCTE, and back to the home high school.



Gain confidence

Competitive advantage for college admission

Internship opportunities

Earn 20-30 high school credits

Project based courses

Taught by industry experts

UC "a-g" approved courses

Experience different majors

Obtain high paying careers

Why SVCTE?

The Governing Board is committed to providing equal opportunity for all individuals in district programs and activities. District programs, activities, and practices shall be free from unlawful discrimination, including discrimination against an individual or group based on race, color, ancestry, nationality, national origin, immigration status, ethnic group identification, ethnicity, age, religion, marital status, pregnancy, parental status, physical or mental disability, sex, sexual orientation, gender, gender identity, gender expression, or genetic information; a perception of one or more of such characteristics; or association with a person or group with one or more of these actual or perceived characteristics. Metropolitan Education District BP 0410

Proud Partnership with:



To register for a course, please contact your home school counselor.

Schedule a Campus Tour:



www.svcte.org
Call: (408) 723-6401



760 Hillsdale Avenue, Building 800
San Jose, CA 95136-1190
ph: 408.723.6400 | fax: 408.266.6531
SVCTE.org



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Meet your future, head on.



2020-2021 Courses



Silicon Valley
Career Technical Education

ANIMATION (UC "f")

Acquire skills in basic figure drawing, cell animation, 2D and 3D computer animation. Develop an understanding of script writing, storyboarding, and sound design.



AUTO BODY REFINISHING

Use restoration techniques to prepare vehicles for spray finishing and detailing. Learn proper techniques and paint applications in a professional shop environment.

AUTO BODY REPAIR

Develop surface preparation including welding, metal straightening and finishing to return cars to pre-accident condition. Apprenticeships may be available.



AUTOMOTIVE SERVICES

Study eight areas of basic and advanced skills in: automotive brakes and alignment, electrical & electronic systems, automatic and manual transmission repair, engine repair, engine performance, heating ventilation and air conditioning, as well as suspension and steering.

CONSTRUCTION TECHNOLOGY (UC "c")

Design, estimate, and construct buildings with carpentry tools and equipment using industry standards. Receive OSHA safety training while building houses from foundation to roof.



CULINARY ARTS

Students train in our industry kitchen to prepare stocks, cuts of meat, poultry and seafood utilizing a variety of cooking methods. Work in various kitchen professions and restaurant settings while preparing for your career and future college education.

DENTAL ASSISTING (UC "g")

Preparation for students who aspire to be dental assistants, dental hygienists, and dentists. Acquire chair-side assisting skills, laboratory, and x-ray capabilities. Qualified students may earn state certification in radiation safety and infection control. Internships available.



ELECTRICAL MAINTENANCE

Students install, maintain, troubleshoot, and repair residential and commercial electrical systems. Successful students are qualified to receive the California Electrical Training Card.

FASHION DESIGN & TEXTILE ART (UC "f")

Students learn entry-level skills in the clothing and fashion field. Style, line, color and design principles will set the tone for creating garments. Students will apply principles of fine art and design to their work.



FILM & VIDEO PRODUCTION (UC "f")

Students learn scriptwriting for television and film, storyboarding, directing, editing, and sound design engineering. Produce videos for business and entertainment while engaging in the history of cinema.

FIRE SCIENCE/FIRST RESPONDER (UC "d")

Students will be introduced to Fire Department and Emergency Services related fields and techniques used to perform the job. The class focuses are academic, technical skills and employability practices.

FORENSIC SCIENCE (UC "d")

Develop the knowledge and training related to forensics while exploring the procedures to solve crimes. Topics include investigating crime scenes, as well as various scientific disciplines and laboratory safety rules/regulations.

HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) (UC "c")

Learn maintenance, overhaul, repair, and adjustment of residential and commercial heating, air conditioning, and refrigeration units.

LAW ENFORCEMENT (UC "g")

Prepare for a career in public and private investigative fields. Understand the criminal justice system, investigate crimes, and improve decision-making skills.



MECHATRONICS ENGINEERING (UC "d")

The combination of electrical and mechanical engineering where students design, build, and program robotic mechanisms. Students will apply C++ and Python coding to direct microcontroller parts.

MEDICAL ASSISTING (UC "g")

Learn back office medical procedures, including medical terminology, lab procedures, anatomy and physiology. Clinical training in hospitals, clinics, and doctors' offices is available.

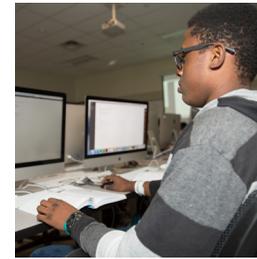


MEDICAL SCIENCE/ HEALTH CAREERS (UC "d, g")

Prepare students who aspire to become nurses and doctors for a career in the medical field. This course focuses on human biology, disease, hands-on patient care, medical terminology, leadership and teamwork, with job shadow and hospital internships in emergency, surgery, physical therapy, radiology, pediatrics, and more.

METALS TECHNOLOGY (UC "c, g")

Learn welding theory and safety with hands-on experience in operation of welding equipment. Welding is used in auto repair, building construction, ornamental ironwork, and many machinery jobs.



MOBILE APP DESIGN AND COMPUTER CODING (UC "g")

Practice multimedia design, web development for internet technology and programming for mobile platforms and devices. Learn the process of designing, coding and deploying mobile applications for use in e-commerce, productivity, enterprise and web purposes.

PHARMACY TECHNICIAN (UC "g")

This course prepares students with the knowledge and skills required for employment as a pharmacy clerk. It focuses on academics, technical skills, and employability practices essential in the pharmacy profession.



SPORTS MEDICINE & KINESIOLOGY (UC "d")

Acquire knowledge in anatomy, physiology, fitness, exercise, vitals, and nutrition. Gain experience in taping, training room management, injury treatment and training, patient care, and bio-metrics of movement.

TRUCK MECHANICS (UC "d")

Repair and service the systems and components on both light and heavy duty trucks. Prepare for jobs in the auto/truck/heavy equipment industry.

VETERINARY SCIENCE (UC "d")

Learn anatomy and physiology, as well as animal health and disease, animal behavior and client communication to prepare for employment in Veterinary careers.

ADVANCED COURSES

Available to 2nd year students or with counselor/teacher approval.

- **ADVANCED AUTOMOTIVE SERVICES**
- **ADVANCED CULINARY ARTS**
- **ADVANCED FASHION DESIGN & TEXTILE ART**
- **ADVANCED FILM & VIDEO PRODUCTION**
- **ADVANCED METALS TECHNOLOGY**
- **ADVANCED TRUCK MECHANICS**
- **ADVANCED VETERINARY SCIENCE**

FACT: 6 out of 10 students plan to pursue a career related to the CTE area they explore in high school

NRCCUA and ACTE, 2016

FACT: More than 88% of CTE students are planning to continue on to postsecondary education

My College Options and ACTE, 2016

FACT: The average high school graduation rate for students concentrating in CTE programs is 93%

U.S. Department of Education, 2014