



SILICON VALLEY  
Career Technical Education

★ **EARN HIGH SCHOOL CREDITS**  
★ **EARN COLLEGE CREDITS**  
★ **HANDS-ON TRAINING**



## 2016 – 2017 COURSES

### 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

Restoration techniques are used to prepare the surface of vehicle parts for finished spray painting and detailing work. Learn in a professional shop environment.

### Auto Body Repair

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

### Automotive Services

Eight areas of study help students gain 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, and suspension and steering.

### Baking and Catering (UC “d”)

This course prepares students with the skills and knowledge required for employment in the baking and pastry industry. Catering and business skills are developed operating an in-house food operation and catering department.

### Business Entrepreneurship (UC “g”)

Learn the basics of running a business, using Microsoft software. Prepare for jobs in accounting, human resources, information technology, or sales & marketing.

### Construction Technology (UC “c”)

Design, estimate, and construct buildings with carpentry tools and equipment using industry standards.

### Culinary Arts (UC “d”)

Are you passionate about food, its ingredients, the presentation and its taste? Train in our well-equipped kitchen to prepare stocks, cuts of meat, poultry and seafood utilizing a variety of cooking methods. Work in various kitchen positions and restaurant settings while preparing for your career and future college education. Our instructor is committed to your success!

### Cybersecurity (UC “g”)

Train for technical challenges in a networked computer system and learn methods to protect vital data in private and public industries. Prepare secure communications and identify risks for networks and devices.

### Dental Assisting

Acquire chair-side assisting skills, laboratory and X-ray procedures, with radiation and clinical experience. Make impressions and models. This course offers opportunities for Dental internships.

### Electrical Maintenance

Learn electrical installations, troubleshooting and repair for students wishing to enter electrical maintenance careers.

### Fashion Design & Textile Art (UC “f”)

This program will provide you with the opportunity to 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 art elements and principles of fine art and design to their work.

### Film & Video Production (UC “f”)

Learn to write for television and film, storyboarding, directing, and sound design engineering. Produce videos for business and entertainment from script writing to final edit.

### Fire Science/First Responder

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

*Meet your future, head on.*

### **Forensic Sciences (UC "d")**

Develop the knowledge and training related to forensics while exploring the procedures to solve crimes. Topics include investigating crime scenes and laboratory safety rules and regulations.

### **Heating, Ventilation, & Air Conditioning (HVAC)**

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

### **Internet Engineering (UC "g")**

Learn to install, diagnose, and repair hardware and software. Prepare for jobs in the computer industry in sales & setup, software installation, help desk, computer support, networks, and programming.

### **Law Enforcement**

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

### **Legal Careers (UC "a")**

Prepare for working in the judicial system in careers such as probation officer, paralegal, court reporter, or attorney.

### **Medical Assisting (UC "g")**

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

### **Medical Office Careers (UC "b")**

Prepare for employment in hospitals, medical offices and clinics. Obtain knowledge of terminology, patient billing, medical transcriptions and medical office administrative procedures.

### **Medical Science / Health Careers (UC "g")**

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

### **Metals Technology**

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")**

Learn 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 eCommerce, productivity, enterprise and web purposes.

### **Office Careers – Public Services (UC "b")**

Prepare for an office career as a legal assistant, administrative assistant, human resources assistant, and office manager in business and government agencies. Develop skills in legal research, budgeting, Microsoft Office Suite, leadership and teamwork with internships in business and legal offices.

### **Pharmacy Technology**

Learn about prescription medications, intravenous solutions and other specialized medications, patient profiles, inventories, package medications in unit-dose or medi-card form, and data used by pharmacists to monitor drug therapy.

### **Precision Machining (UC "g")**

Learn basic machining theory and hands-on operation of a variety of machining tools that include manual and CNC (Computer Numerical Control).

### **Sports Medicine and Kinesiology (UC "d")**

Acquire skills related to basic anatomy and physiology, nutrition, fitness and exercise, taping procedures, vital signs, training room/office management, injury treatment and training, patient care, safety and ethics, and bio-metrics of movement.

### **Truck Mechanics (UC "d")**

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

### **Veterinary Assisting (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.

***For registration information, contact your home school counselor or call Silicon Valley CTE office at: (408) 723-6400  
760 Hillsdale Avenue, San Jose, CA 95136  
[www.siliconvalleycte.org/register](http://www.siliconvalleycte.org/register)***