



Career and Technical Education (CTE) Programs Career Highlights/Outlook & SBCC Offerings

The sample occupations included below link directly to the California Employment Development Department (EDD) website <http://www.edd.ca.gov/>. Visit the EDD site for additional occupation profiles, or explore the extensive career and major database, Eureka, that SBCC subscribes to at www.eureka.org; create an account there using the SBCC site ID code: VUOHNDU.

Accounting

Bookkeeper, accounting clerk and auditing clerk. Average salary for Accounting Clerk I is \$37,660. Outlook: Average growth is projected. This field is affected by a number of factors, including changing and complex tax systems and prosperity of business conditions. Part-time opportunities are good, particularly in urban areas.

**SBCC Offerings: A.S. Degree in Accounting. Awards and Certificates at increasing levels of competency.*

EDD Occupational Guides:

Bookkeeping, Accounting, and Auditing Clerks: [summary](#); [detailed](#)
Accountants and Auditors: [summary](#); [detailed](#)

Administration of Justice (School of Justice Studies)

Juvenile offender counselor, law enforcement (police officer, deputy sheriff, highway patrol officer), adult correctional officer, probation aide, bailiff. Average salary for Police Patrol Officer is \$76,838; Security Guard \$24,026. Outlook: Faster than average growth is projected for security guards and correctional officers. There is usually a surplus of beginners and shortage of qualified applicants with experience.

**SBCC Offerings: A.A. / A.S. Degree and Certificates in Administration of Justice. Students choose from concentration in Law Enforcement or Criminology.*

EDD Occupational Guides:

Correctional Officers and Jailers: [summary](#); [detailed](#)
Police and Sheriff Patrol Officers: [summary](#); [detailed](#)
Security Guards: [summary](#); [detailed](#)

Alcohol and Drug Counseling

Work in the field of addiction counseling, providing alcohol and drug-related counseling service to individuals in a variety of settings, including private non-profit and public social service agencies. Average salary for Chemical Dependency Counselor is \$37,960. Outlook: Average growth is projected for alcohol and drug treatment counselor, particularly in urban areas.

**SBCC Offerings: A.A. Degree and Certificates in Alcohol and Drug Counseling.*

EDD Occupational Guides:

Social and Human Service Assistants in California: [summary](#); [detailed](#)

EDD Occupational Profiles:

[Mental Health and Substance Abuse Social Workers](#)
[Mental Health Counselors](#)
[Substance Abuse and Behavioral Disorder Counselors](#)

Automotive Service and Technology

Auto technician, auto brake mechanic, vehicle inspector, counter parts person, smog technician, mechanic, service representative, management, service writer. Average salary for Automotive Service

Technicians and Mechanics is \$39,956. Union members earn higher wages than non-union members. Outlook: Average growth is projected; there is a shortage of qualified auto mechanics, especially in foreign car repair. Growth due to the increasing complexity and number of automobiles. Opportunities exist for specialization.

**SBCC Offerings: A.S. Degree and Certificate in Automotive Service and Technology.*

EDD Occupational Guides:

Automotive Service Technicians and Mechanics: [summary](#); [detailed](#)

Business Administration

Primary categories are: ACCOUNTING: (see separate listing above). FINANCE: credit management, financial service sales agent, insurance sales, securities or investment worker. INTERNATIONAL BUSINESS: international exchange of goods, services, and investments. MARKETING: advertising, buying market research, retail sales, or business planner. MANAGEMENT: small business management, general manager, personnel management. SMALL BUSINESS DEVELOPMENT: for entrepreneurship. REAL ESTATE: sales agent, real estate developer, appraiser, escrow officer or property manager, title examiner. Average salary for Customer Service representative is \$34,662 or Retail Store Manager is \$36,066. Outlook: Job openings vary depending on the career field chosen. Bilingual job seekers may find more favorable job opportunities.

**SBCC Offerings: A.A. Degree and Certificate in Finance, International Business, Marketing, Management, Pre-Transfer, and Small Business Development. A.S. Degree and Certificate in Real Estate. Awards and Certificates at increasing levels of competency.*

EDD Occupational Guides:

Retail Store Manager/Supervisor: [summary](#); [detailed](#)

Customer Service Representatives: [summary](#); [detailed](#)

Sales Managers in California: [summary](#); [detailed](#)

Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products in California: [summary](#); [detailed](#)

Management Analysts in California: [summary](#); [detailed](#)

General and Operations Managers in California [summary](#); [detailed](#)

Computer Applications Office Management

Career opportunities start with office support positions such as clerk or receptionist and advance to administrative word processor, senior secretary or administrative assistant. Average salary for Word Processor Typist is \$29,858 or Executive Secretary is \$44,805. Outlook: Jobs in this field are expected to grow faster than average. The candidates with extensive knowledge of software applications will have better opportunities.

**SBCC Offerings: A.S. Degree in Computer Applications and Office Management with Emphasis in Office Management. Certificates with Emphasis in Business Software Specialist and in Office Management. Awards and Certificates at increasing levels of competency.*

EDD Occupational Guides:

Executive Secretaries and Administrative Assistants: [summary](#); [detailed](#)

Computer Information Systems

Program prepares students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions. Median salary for Computer Support Specialist is \$49,079 and Database Administrator is \$84,157. Outlook: Faster than average growth is projected for the fields listed above. Specialists who are updated on latest technologies tend to have a higher demand.

**SBCC Offerings: A.S. Degree in Computer Information Systems. Certificate in PC Support and Network Management, and in Database Programming and Applications Development.*

EDD Occupational Guides:

Computer Programmers in California: [summary](#); [detailed](#)
Computer and Information Systems Managers in California; [summary](#); [detailed](#)

Computer Network Engineering and Electronics

Network system engineer, LAN/WAN specialist, Internet/Intranet manager, computer service technician. Average salary for a Network and Computer System Administrator is \$76,223. Outlook: The increase in the number of businesses that rely on networks is creating many job opportunities for the next decade. Job growth in this field is projected to be higher than average.

**SBCC Offerings: A.S. Degree and Certificate in Computer Network Engineering. Various Skills Competency Awards also available.*

EDD Occupational Guides:

Network and Computer Systems Administrators: [summary](#); [detailed](#)
EDD Occupational Profile: [Computer specialists, all others](#)

Construction Trades

Instruction includes roof framing, framing, finish carpentry, cabinet-making, remodeling, and "building green" among others. Beginning and experienced carpenters can broaden their skills and learn more about the building industry. Average salary for a Carpenter is \$51,839. Outlook: Carpenter is one of the largest growing occupations, but layoffs may impact the field periodically when construction activity is down.

**SBCC Offerings: A.S. Degree and Certificate in Construction Technology (pending Chancellor's office approval).*

EDD Occupational Guides:

Construction and Building Inspectors: [summary](#); [detailed](#)
Carpenters: [summary](#); [detailed](#)
Painters, construction, and maintenance: [summary](#); [detailed](#)

EDD Occupational Profiles:

[Construction Managers](#)

Cosmetology

Hair stylist, cosmetologist, esthetician (skin care specialist), massage therapist, beauty salon owner. Average salary for Hairstylist is \$27,429. Outlook: The number of new jobs in this field is expected to grow slower than average. Job opportunities will be to fill vacancies as Cosmetologists leave for other kinds of work or retire. Nationally, about 48 percent of Cosmetologists are self-employed.

**SBCC Offerings: A.S. Degree and Certificate in Cosmetology, which prepare students to take the State Board of Cosmetology exam for licensure. Skills Competency Award for Manicure.*

EDD Occupational Guides:

Hairdressers, Hairstylists, and Cosmetologists: [summary](#); [detailed](#)

EDD Occupational Profiles:

[Esthetician](#)
[Manicurists and Pedicurists](#)

Culinary Arts & Hotel Management (School of)

Catering, restaurant management, cook, hotel front desk, food service manager, nutrition, sales and promotions. The average salary for a Chef or Head Cook is \$43,598 and for a Hotel Manager is \$49,694. Outlook: Average growth for chefs, more in casual dining rather than up-scale full service restaurants. Slower than average growth for Hotel Managers. More abundant opportunities for those with four-year college degrees in hotel or restaurant management.

**SBCC Offerings: A.S. Degree and Certificate in Culinary Arts and Hospitality, and various Skills Competency Awards.*

EDD Occupational Guides:

First-Line Supervisors/Managers of Food Preparation and Serving Workers: [summary](#); [detail](#)

Chefs and Head Cooks: [summary](#); [detailed](#)

Drafting/ CAD (Computer-Assisted Design)

Computer-assisted drafting operator, entry level drafter (electrical, mechanical, architectural, landscape), designer, illustrator. Average salary for CAD Drafter I is \$55,307. Outlook: Opportunities are best for drafters with CAD skills. Opportunities for beginners are limited and competition is high in areas with local training programs.

**SBCC Offerings: A.S. Degree and Certificate in Drafting/CAD.*

EDD Occupational Guides:

Architectural and Civil Drafters: [summary](#); [detailed](#)

EDD Occupational Profiles:

[Electrical, Electronic, and Mechanical Drafters](#)

Early Childhood Education (ECE)

Child care worker, manager of child care center, teacher's assistant, pre-school teacher. Average salary for a Child Care Worker is \$19,107. Outlook: Faster than average growth is projected. Employers prefer applicants with at least one year experience working with children.

**SBCC Offerings: A.S. Degree and Certificates in ECE, Diversity Issues in ECE, Infant/Toddler Development, School Age Care, and Associate Child Care Teacher.*

EDD Occupational Guides:

Preschool Teachers, Except Special Education: [summary](#); [detail](#)

EDD Occupational Profiles:

[Childcare worker](#)

Environmental Horticulture

Greenhouse production, nursery operation, pruning, Integrated Pest Management, irrigation specialist, specialty maintenance contracting, grounds keeping, restoration horticulture. Average salary for Groundskeeper is \$26,000; Nursery/Greenhouse Manager is \$46,384. Outlook: Faster than average growth, as increased interest in gardening, landscaping conservation and restoration projects continue in California. Groundskeepers and Gardeners are some of the largest and fastest growing occupations projected for 2006-2016.

**SBCC Offerings: A.S. Degree and Certificate in Environmental Horticulture. Students choose a concentration in: Landscape Contracting C-27 License, Environmental Landscape Design, Nursery and Greenhouse Technology, or Ecological Restoration and Management. Various Skills Competency Awards also available.*

EDD Occupational Profiles:

[Landscape architects](#)

[Landscaping and groundskeeping supervisors](#)

[Pesticide sprayers and applicators, vegetation](#)

[Agricultural engineers](#)

Film and Television

Entry-level positions in film and video production, such as production assistant. Median salary for production assistant is \$35,217 or Audio and Video Equipment Technician is \$45,677. Many work in a freelance capacity. Those with good reputation usually earn higher pay. Employment is centralized in Los

Angeles and New York. Outlook: It is difficult to find work until you establish skills and a reputation or get into the union.

**SBCC Offerings: A.A. Degrees in Film Studies and Film and Television Production.*

EDD Occupational Profiles:

[Agents/Manager for Artists, Performers, and Athletes](#)

Graphic Design and Photography

Graphic designer, web graphic designer, advertising artist, paste-up artist, process camera operator, graphic photo sales, media/computer graphic, photographer, printing production, publishing, print shop manager. Average salary for a Graphic Designer is \$51,492 and \$47,154 for a Photographer. Pay and employment opportunities are best within metropolitan areas. Outlook: Higher than average growth for Graphic Designers, with a high percentage of all graphics jobs in California found in Los Angeles. Approximately 30 percent of Photographers are self-employed; field can be very competitive.

**SBCC Offerings: A.A. Degree in Graphic Design and Photography with Concentration in Graphic Design. Certificate in Graphic Design and several Skills Competency Awards also available.*

EDD Occupational Guides:

Graphic Designers: [summary](#); [detailed](#)

Health information Technology (HIT) and Cancer Information Management

Medical records technician, medical coder, cancer registrar, medical billing clerk, and medical records clerk. Average salary for Medical Records Technician is \$49,000. Outlook: Faster than average growth is projected for medical records technicians. Qualified technicians completing a two-year study program should be able to obtain employment easily.

**SBCC Offerings: A.S. Degrees in Health Information Technology and Cancer Information Management. Certificates in Cancer Information Management and Medical Coding Specialist.*

EDD Occupational Guides:

Medical Records and Health Information Technicians: [summary](#); [detailed](#)

Interior Design

Residential and commercial space design, decoration, and furnishing; historical renovation; consultation with private clients. Average pay is \$51,241. Self-employed designers have the potential to earn higher pay, depending on volume of business, economic level of their clients, and their business competence. Outlook: Interior Designers face strong competition and may have to work in support for several years at lower pay to gain experience in this field before getting hired as the Interior Designer.

**SBCC Offerings: A.A. Degree and Certificate in Interior Design.*

EDD Occupational Profiles:

[Commercial and Industrial Designers:](#)

[Residential Advisors](#)

Marine Diving Technologies

Commercial diver (off-shore oil and gas diving support, inspection, in-shore construction), ROV (remotely operated vehicle) pilot/technician, salvage divers, harbor patrol, submarine pilot, mariculture. Average salary is \$78,998. Pay increases sharply with experience. Deep water divers earn the highest pay. Outlook: Good, especially for those in underwater construction.

**SBCC Offerings: A.S. Degree and Certificate in Marine Diving Technician and ANSI Certification in Commercial Diver Training and ADC Certification in Commercial Diving. Skills Competency Award also available.*

EDD Occupational Profiles:

[Commercial Divers](#)

Multimedia Arts and Technology

Multimedia Arts curriculum prepares students for employment in applied media industries or for transfer to media program at four-year institutions. Students choose to study either Media Arts (broad introduction to digital media) or Animation. Average salary for Multi-Media Artists and Animators is \$79,310. Outlook: Faster than average growth. Animator jobs are concentrated near Los Angeles and San Francisco and usually require a four-year college degree and experience.

**SBCC Offerings: A.A. Degrees and Certificates in Media Arts and in Animation. Various Skills Competency Awards also available.*

EDD Occupational Profiles:

[Motion Picture Photographers and Camera Operators](#)

[Multi-Media Artists and Animators](#)

Nursing (CNA, LVN, RN)

CERTIFIED NURSING ASSISTANT (CNA): caregivers, companions, and personal attendants provide basic nursing care under the direction of a licensed nurse in skilled nursing facilities, home health care, acute care hospitals and community public health agencies. Average salary is \$26,069. Short additional courses prepare the CNA to become a California Home Health Aide (HHA) and /or Acute Care CNA. Outlook: Many opportunities for Personal and Home Care Aides. Jobs in acute care facilities are more limited and competitive.

LICENSED VOCATIONAL NURSE (LVN): LVNs work under the supervision of registered nurse or physician in health care facilities. Private duty LVNs care for a single patient in the home or hospital and may do general housekeeping as well. Average salary is \$48,379. Outlook: Faster than average growth is projected, with most openings occurring due to the long-term care needs of a rapidly growing elderly population and the general growth of healthcare. Previous healthcare experience will help new graduates land their first LVN job.

REGISTERED NURSE (RN/ADN): Acute care hospitals, community and public health agencies, skilled nursing facilities all hire registered nurses. Average salary is \$82,535. Outlook: Very good, particularly for those working night shifts and for specialties such as intensive care. RN is one of the largest growing occupations for 2006-16.

**SBCC Offerings: A.S. Degrees in Nursing (RN/ADN) and Vocational Nursing (LVN); Certificates in Vocational Nursing (LVN) , Certified Nursing Assistant (CNA) , and various Skills Competency Awards.*

EDD Occupational Guides:

Home Health Aides: [summary](#); [detailed](#)

Nursing Aides, Orderlies, and Attendants: [summary](#), [detailed](#)

Licensed Practical and Licensed Vocational Nurses: [summary](#); [detailed](#)

Registered Nurse: [summary](#); [detailed](#)

Radiographic and Imaging Sciences/ Diagnostic Medical Sonography

Radiographers and sonographers are employed in hospital, clinics, and imaging centers. Average salary for radiographers is \$62,513. Average salary is \$74,079 for Diagnostic Medical (Ultrasound) Sonographers. The SBCC Sonography Program entrance guidelines require completion of a health related two-year degree or any four-year degree (certain prerequisites apply). Outlook: Employment for Technicians and Sonographers is expected to grow at an above average rate through 2016.

**SBCC Offerings: A.S. Degree in Radiography (which prepares graduates to take the state board examination for licensure). Certificate in Diagnostic Medical Sonography.*

EDD Occupational Guides:

Radiologic Technologists and Technicians in California: [summary](#); [detailed](#)

*** DEGREES AND CERTIFICATES:**

A.S. indicates Associate in Science; A.A. indicates Associate in Arts. An Associates Degree requires at least two years of full-time study. Certificates usually require six to twelve months full-time or about two years part-time. Awards are designed to allow students to master core competencies in particular areas within a short period of time.

GENERAL NOTES:

Job outlook and salary information is from California Occupational Information System and reflects anticipated conditions through the year 2016.

Average salary indicates the average between the highest and lowest salary for a job. Entry-level salaries typically start lower than the average salary.

The information in this handout is deemed to be accurate at the time of revision (12/1/09). Due to changes in technology and the labor market, this document does not guarantee employment or salaries at the level indicated.