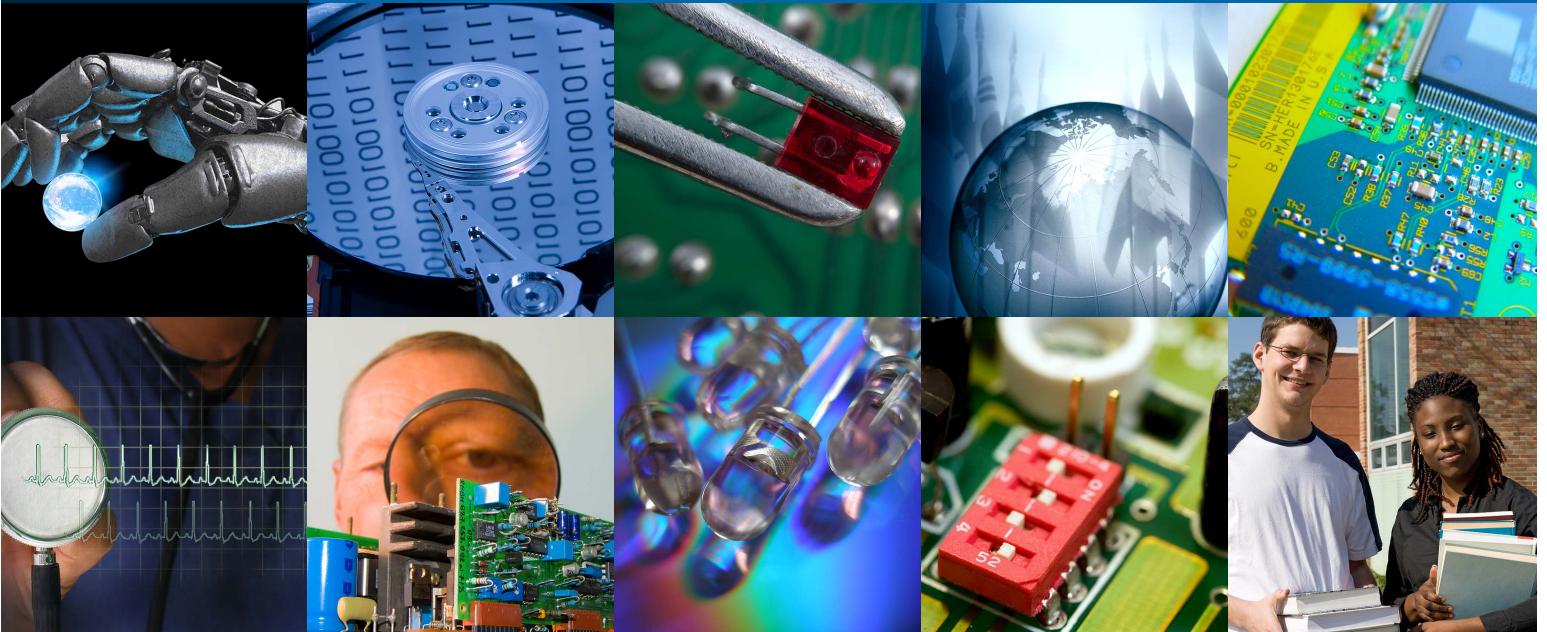


Career Fact Sheet



Electronics Tools for the Career Counselor Riverside County

This data pertains to community college-level coursework and was prepared for Riverside Community College as a resource for counselors to share with students.

Electronics Overview

Nearly every industry category requires specialized electronics equipment. This equipment must be assembled, upgraded, maintained, and repaired, which creates a demand for workers that are specially trained and highly skilled. Moderate growth in California electronics jobs is predicted through 2016, although certain electronics jobs have even brighter outlooks.

Electronics Defined

Electronics refers to the circuitry, components, instrumentation, numerical controls, computer equipment, and other parts which are assembled to make an industrial machine or a consumer product function. Electronics workers typically follow blueprints or technical drawings to assemble items, and may also test and calibrate systems or replace defective circuitry and components.

Electronics SmarTrax

AVAILABLE JOBS				
LOGISTICS JOB TITLE	SOC CODE	2009 MEDIAN HOURLY WAGE	NEW JOBS EXPECTED THROUGH 2016	% OVERALL INCREASE
Medical Equipment Repairers	49-9062	\$21.74	220	24%
Electro-Mechanical Technician	17-3024	\$24.67	60	5%
Electronics Repairers	49-2093	\$25.98	50	6%
Electrical Drafters	17-3012	\$26.36	130	5%
Avionics Technician	49-2091	\$26.41	20	6%
Electronics Technician	17-3023	\$28.01	680	10%
Electrical Engineers	17-2071	\$45.49	570	6%

Source: US Department of Labor Career OneStop: www.Careerinfonet.org and the US Bureau of Labor Statistics: www.bls.gov

Education and Training

Prepare for a career in electronics at the NorCo campus of Riverside Community College. The following programs are offered as onsite programs or through online learning:

Associate of Science Degree: Electronics Computer Systems

Associate of Science Degree: Electronics Technology

Certificate: Analog and Digital Microelectronics

Certificate: Analog Electronics, Analysis and Documentation

Certificate: Analog Electronics Technology

Certificate: Digital Electronics Technology

Certificate: Digital Technology and Documentation

Certificate: Electronics Circuit Analysis

Certificate: Electronics Communications

Certificate: Electronics Documentation

Certificate: General Electronics Core

Certificate: Microcomputer Technology

Certificate: Microprocessor Technology

Certificate: Wireless and Fiber-optic Communications

Skills Employers Need:

Employers value specialized training and coursework offered through technical and vocational education programs. In addition, electronics workers should possess:

- Mathematics skills
- Communications skills
- Computer skills
- Ability to follow complex directions
- Ability to identify problems through systematic testing

Career Options

New employees in Electronics may begin at an apprentice level while applying skills learned through college and vocational courses. Continued specialized training through the employer builds upon these skills and increases opportunities for advancement, including moves to management. Advanced degrees may be required to move into design or engineering.

