

INDUSTRY INSIGHTS

Average Salary:

\$60,000

Annually



ENERGY, CONSTRUCTION, AND UTILITIES

High Voltage Electrical Careers - Spring 2025

Industry Job Market

The Sacramento Electrical Training Center enrolls 450 apprentices, covering training in transformers, motor controls, and solar integration. Rivian's academies combine theory and hands-on service center experience for EV system readiness. However, only about 121 high-voltage-related credentials are awarded annually by community colleges.

Desired Skills

Energy sector technical skills now include high-voltage safety, transformer diagnostics, SCADA software, and adaptability to emerging technologies like battery storage and grid cybersecurity, highlighting the need for cross-disciplinary training in automotive, electrical, IT, and climate fields.

Education Requirements

Employers hire for both middle skill workers and roles requiring a bachelor's degree. Entry-level technician positions need a high school diploma, driver's license, and basic algebra, while engineering roles require four-year degrees. Companies prefer candidates with 2 to 6 years of hands-on experience in electrical systems.

Where should I go next?

- Browse training programs at your local community college at Northstatecareers.org.
- Find a Job Center near you to talk to a career coach at Careeronestop.org.
- Talk to someone about work-based opportunities at your local community college.




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Community Inspired Solutions

Industry Insights are developed as a collaboration between Valley Vision, Los Rios Community College District, and the Capital Region Workforce Boards in partnership with the Centers of Excellence. Strong Workforce Program and Regional Plan Implementation funding are utilized to organize and convene Regional Workforce Advisories that inform these snapshots.