



ELECTRICAL MAINTENANCE

Scott Hall, Instructor

TRAINING STUDENTS FOR ENTRY-LEVEL POSITIONS SUCH AS:

- Assembler
- Electrician Apprentice
- Electrician Helper
- Electrical Maintenance
- Sound Communication Technician
- Alarm Installation and Maintenance Technician
- Solar Energy Systems Installer

BENEFITS OF THIS CLASS:

- Opportunity to work on contracted projects for local industry
- Can be taken for one or two years
- 30 high school credits earned per year
- Equivalency credits in English, math or science may be available
- Students do real electrical repair and trouble shooting on lighting and a variety of electrical equipment on the CCOC campus
- Learn skills valuable for a lifetime



IN THIS CLASS, STUDENTS LEARN:

- Blueprint reading, layout of a job
- Safe practices, electrical code, and regulations
- Lighting, switching, and motor control circuits
- DC/AC theory
- Electrical troubleshooting
- Blueprint and schematic reading
- Use and care of tools and equipment
- Valuable skills useful for a lifetime

UPON SUCCESSFUL COMPLETION OF CLASS, STUDENTS RECEIVE:

- Certificate of Achievement recognized in the industry
- Letter of Competency explaining what was learned and the degree of mastery achieved, (impressive to employers)
- 3 units of college credit at Evergreen Valley and San Jose City Community College after 2 years with a "B" or better grade
- Employability skills
- Job placement assistance
- Reference from teacher

JOB MARKET INFORMATION:

There is always a demand for people with good electrical skills. People with electrical skills work in industrial and home construction, maintenance and repair, and installation of electrical and electronic equipment. Beginning salaries are from \$10 to \$19 per hour and pay increases as skills and time in the business increase.

Successful electrical workers typically have good work ethics, are dependable and reliable, are good at problem solving and troubleshooting, and learn new skills to make themselves more valuable employees. Electricians can become self-employed business owners or contractors employing others. Such people develop good business, customer services and communication skills.



ABOUT THE INSTRUCTOR:

Scott Hall developed an interest in electrical work while he was a student at CCOC. Mr. Hall spent 14 years in the electrical trade doing industrial and commercial electrical work, electrical contracting, and apprenticeship training.

In 1992, Mr. Hall returned to CCOC to teach Electrical Maintenance to high school students and adults. He also teaches at San Jose City College in the evenings and in the summer returns to work in the electrical trade.



School-to-Career Pathway

