

Electrical Technology



If you enjoy planning the layout and installation of electrical wiring, working with a variety of tools, equipment and systems, and reading blueprint drawings; then consider starting the Electrical Technology Program at North Orange Continuing Education (NOCE) as your first step to a new career in the construction industry.

Career Highlights and Opportunity

Electrical Trainees help electricians by performing duties related to the installation, maintenance, and repair of a wide variety of electrical systems and equipment. Some responsibilities include disassembling and reassembling electrical equipment, replacing defective or worn parts, examining electrical units, measuring materials and cutting components for installation, and maintaining and transporting tools.

Electrical Trainee positions have career growth opportunities in the following areas:

- Electrician
- Electrical Drafter
- Electrical Estimator
- Line Repairer and Installer

PERSONALITY

People in this career work in jobs that need:

- Integrity
- Dependability
- Attention to Detail
- Analytical Thinking
- Innovation

SKILLS

People in this career often have these skills:

- Manual Dexterity—Holding and moving items with your hands
- Problem Sensitivity & Critical Thinking—Noticing when problems happen and using logic to identify solutions
- Active Listening - Listening to others, not interrupting, and asking good questions

JOB OUTLOOK

| | |
|-------------------------|-----------------------------------|
| Number of Jobs in 2018 | 8,313 |
| 2018-28 Job Growth | 16% (must faster than average) |
| Entry-Level Pay in 2018 | \$32,802/Annual \$15.77/Hour |
| Median Pay in 2016 | \$36,421/Annual \$17.51/Hour |

Salary and employment outlook is for Orange County, CA and will vary depending on the skill, experience, employer, and geographic location.

For more information on this career or to explore other careers visit Career Coach at

<https://noccdd.emsicc.com/>



Accredited by:
Accrediting Commission for Schools,
Western Association of Schools and Colleges
533 Airport Blvd., Suite 200 Burlingame, CA 94010
Website: www.acswasc.org

The North Orange County Community College District's (NOCCCD) North Orange Continuing Education (NOCE) Administrative Offices are located at 1830 W. Romneya Drive in Anaheim, California 92801. For more information, call 714.808.4645 or visit www.noce.edu. It is the policy of NOCCCD to provide an educational, employment, and business environment in which no person shall be unlawfully subjected to discrimination or sexual harassment, nor unlawfully denied full and equal access to the benefits of District programs or activities on the basis of ethnic group identification, national origin, religion, age, gender, race, color, ancestry, sexual orientation, marital status or physical or mental disability as defined and prohibited by state and federal statutes. The District is also committed to maintaining campuses that are free of harassment, drugs and alcohol. To read the entire NOCCCD nondiscrimination statement, see the policy in the General Information section in the back of the NOCE class schedule.

Program Information

NOCE's Electrical Technology Program prepares students for entry-level employment in numerous electrical and electrical-related trades. The program integrates electrical theory with hands-on application where students receive practical training to develop the foundational skills necessary to install, maintain, and repair electrical equipment and systems in residential, commercial, and industrial buildings.

Upon completion of the program students will be able to:

- Perform mathematical calculations encountered in the electrical trades
- Design basic residential and commercial blueprints
- Calculate electric circuit values of voltage, amperage, resistance, and power for direct circuits
- Wire, assemble, test, and energize electrical projects
- Demonstrate knowledge of safe electrical work practices
- Label, tabulate, and compute alternating current distribution and loads
- Properly connect single phase and three phase transformers and motors to industry standards
- Select appropriate wiring materials for an industrial project according to National Electrical Code
- Property perform 90 degree bends, offset type bends, and multiple bends with EMT and RMC conduits

For more program information visit:

<http://careers.noce.edu/>

Email: careers@noce.edu | Phone: 714.808.4915

PROGRAM FEATURES

- Courses are tuition –free (students are responsible for textbooks and course supplies)
- Convenient evening courses
- Program can be completed in as little as 18-20 months

BENEFITS

- Learn about California State Certification requirements
- Get hands-on training through electrical wiring projects
- Develop the foundational skills for further educational and training

ELIGIBILITY REQUIREMENTS

- Be 18 years or older
- Complete an Admissions Application
- Complete an online Orientation at least 24 hours prior to registering

RECOMMENDATIONS

- Have good communication skills
- Have basic math skills
- Have basic English reading, writing, and speaking skills and/or be at an ESL intermediate low level



Accredited by:
Accrediting Commission for Schools,
Western Association of Schools and Colleges
533 Airport Blvd., Suite 200 Burlingame, CA 94010
Website: www.acswasc.org

The North Orange County Community College District's (NOCCCD) North Orange Continuing Education (NOCE) Administrative Offices are located at 1830 W. Romneya Drive in Anaheim, California 92801. For more information, call 714.808.4645 or visit www.noce.edu. It is the policy of NOCCCD to provide an educational, employment, and business environment in which no person shall be unlawfully subjected to discrimination or sexual harassment, nor unlawfully denied full and equal access to the benefits of District programs or activities on the basis of ethnic group identification, national origin, religion, age, gender, race, color, ancestry, sexual orientation, marital status or physical or mental disability as defined and prohibited by state and federal statutes. The District is also committed to maintaining campuses that are free of harassment, drugs and alcohol. To read the entire NOCCCD nondiscrimination statement, see the policy in the General Information section in the back of the NOCE class schedule.