



Career Education

ELECTRICIAN

Certificate 31-32 units | Associate of Science Degree

The Electrician program prepares students to become entry-level electrician trainees and courses are aligned with the California state standards to earn an Electrician Training card. Skilled trade includes residential and commercial wiring, electric motors, voltage, and transformers.

Career Opportunities:

Electrical Installer/Repairer
Wage Range: \$22.20-\$27.21

Power Technician
Wage Range: \$22.30-41.31

Career Outlook: 8% increase
projected 2022-2032*

Career Outlook: 7,900 openings
projected 2022-2032*

*Labor market information obtained from Onetonline.org

25/26 Course Catalog-NAS766/NAS766C/NCE766

For more information on Career Education programs, visit us: www.norcollege.edu/careereducation.
For program, course sequencing, or scheduling, contact the Norco College Counseling Department at 951-372-7101.
You can also visit our website: norcollege.edu/counseling

ELECTRICIAN

31-32 unit certificate | 60+ unit Associate of Science Degree

Additional general education courses and graduation requirement to earn Associate of Science Degree in Electrician. Students earn their CA Electrician Training card. Please refer to the Norco College Catalog for general education requirements or visit Counseling Center. Visit: www.norcollege.edu/catalog

ELC/ELE-71 Residential Electrical (4 units)
Wiring

Course introduces students to wiring methods commonly used in residential electrical wiring.

ELE/MAN-72 Commercial and Industrial (4 units)
Electrical Wiring

Wiring of commercial and industrial buildings. Course covers California standards and safety practices.

ELE/MAN-73 Electric Motors and (4 units)
Transformers

Enables electricians to understand and effectively wire most standard DC and AC motors, and steppers.

ELE/MAN-74 Industrial Wiring and (4 units)
Controls

Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing.

ELC/ELE-75 Solid State Devices and (3 units)
Lighting Controls

Solid state devices (electronics), sensors, transistors, silicon control rectifier (SCR), and light sensors used in most industrial and commercial installations.

ELC/ELE-76 Low Voltage Wiring and (3 units)
Alternate Energy
Generation

Introduces electricians to the specialized needs and requirements of institutional, educational, and government entities.

ELE/MAN-77 Electrical Theory (3 units)

Electrical theory, Ohm's Law, magnetism, voltage induction, and proper usage of electrical test equipment.

ENE-62 Math for Automated (3 units)
Systems

Algebra, geometry, and scientific notation to solve problems in automation technology, electric, and mechanical engineering industries.

OR

MAT-36 Trigonometry (4 units)

Mathematical problems frequently used by students in trade, industrial and engineering problems.

CON-66 National Electrical Code (3 units)

Review of electrical codes including discussion and analysis of the application of physical laws in development of the code requirements.