

Electrician

PANHANDLE

Average Wage
\$17.25

*Average Annual
Job Openings*
25

Employment in
2004 2014
750 850

TEXAS

Average Wage
\$18.16

*Average Annual
Job Openings*
1,775

Employment in
2004 2014
44,800 53,700

UNITED STATES

Employment in
2006
617,370

Female 2%
Minority 25%

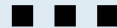
EMPLOYMENT CODES

OES 87202

*O*NET* 47-2111.00
Electricians

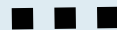
JOB DESCRIPTION

Install, maintain, and repair wiring, electrical equipment, and fixtures. Measure, cut, bend, thread, assemble, and install electrical conduit using hacksaw and conduit bender. Pull wires through conduit and splice wires by stripping insulation from terminal leads and twisting or soldering.



SKILLS AND APTITUDES NEEDED

- ◆ Basic knowledge in mathematics, electricity, electronics, mechanical drawing, science, and shop
- ◆ Good agility and dexterity
- ◆ Good health and at least average physical strength
- ◆ Reading skills to work with building blueprints
- ◆ Good color vision to identify electrical wires by color



Electricians install, connect, test, and maintain electrical systems for a variety of purposes. They may install and maintain electronic controls for machines in business and industry. They may install coaxial or fiber cable for computers and other telecommunications equipment. Some electricians install climate control, telephone, fire alarm and security systems. Electricians specializing in residential work may wire homes or replace old fuse boxes with new circuit breakers to accommodate additional appliances.

Electricians' work is sometimes strenuous. They may stand for long periods of time and frequently work on ladders and scaffolds. Some may work in dusty, dirty, hot, or wet conditions, or in confined areas, ditches or other uncomfortable places. Electricians risk injury from electrical shock, falls, and cuts. Some electricians may have to travel to job sites.

PANHANDLE AREA PUBLIC TRAINING PROVIDERS

Training Provider	Direct	Related	Education Offering
Amarillo Electrical Joint Apprenticeship and Training Committee (JATC) Amarillo	√		Electrician Apprenticeship Program
Texas Panhandle Independent Electrical Contractors of Texas Borger	√		Electrician Apprenticeship Program
Amarillo College Amarillo, Dumas, Hereford		√	Certificate of Completion (Electromechanical Technician, Instrument and Control Technician, Telecommunications Specialist, and General Electronics System Assistant)
Frank Phillips College Borger, Perryton		√	A.A.S. (Associate in Applied Science Degree), Industrial Manufacturing Technology Major

For information on public training providers outside of the Panhandle Area, please refer to the Resource Index.

LICENSE/CERTIFICATION

Optional: Journeyman's License

HIGHEST EMPLOYMENT LEVELS BY INDUSTRY

Building Equipment Contractors	56%	Petroleum/Coal Products Manufacturing	5%
Self-employed/Unpaid Family Workers	8%	Electrical Power Generation/Transmission/Distribution	3%
Local Government	5%	Nonresidential Building Construction	3%
Fabricated Metal Product Manufacturing	5%	Utility System Construction	2%

FOR MORE INFORMATION

Independent Electrical Contractors, Inc., 4401 Ford Ave., Suite 1100, Alexandria, VA 22302, (800) 456-4324, <http://www.ieci.org>

International Brotherhood of Electrical Workers (IBEW), 900 Seventh Street, NW, Washington, DC 20001, (202) 833-7000, <http://www.IBEW.org>

National Electrical Contractors Association (NECA), 3 Bethesda Metro Center, Suite 1100, Bethesda, MD 20814, (301) 657-3110, <http://www.necanet.org>

The National Joint Apprenticeship and Training Committee for the Electric Industry, 301 Prince Georges Blvd., Suite D, Upper Marlboro, MD 20744, <http://www.njatc.org> — Amarillo Electrical JATC, P.O. Box 245, 204 S. Fannin, Amarillo, TX 79105, (806) 372-1581

For additional website sources, please refer to the Resource Index.

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