

**Occupational Profile**  
**Electricians**  
**OES (Occupational Employment Statistics) CODE: 87202**

Cameron County		Hidalgo/Starr/Willacy Counties	
Employment 2000	Projected Employment 2010	Employment 2000	Projected Employment 2010
370	450	580	690
Absolute Change		Absolute Change	
#	%	#	%
80	21.6	110	19
Is License Required?	Growth to Replacement	Is License Required?	Growth to Replacement
Yes	2:1	Yes	1:1
Hourly Wage 2002		Hourly Wage 2002	
Mean	Median	Mean	Median
\$11.70	\$10.82	\$12.11	\$11.49

**Job Description:**

Electricians install, connect, test, and maintain electrical systems for a variety of purposes, including climate control, security, and communications. They also may install and maintain the electronic controls for machines in business and industry. Although most electricians specialize in either construction or maintenance, a growing number do both.

**Average Education Required**

Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.

**Related Occupations**

To install and maintain electrical systems, electricians combine manual skill and knowledge of electrical materials and concepts. Workers in other occupations involving similar skills include air-conditioning mechanics, cable installers and repairers, electronics mechanics, and elevator installers and repairers.

Industrial Employment Patterns		
Industry Code	Industry	Percent of Employees
1730	Electrical Work	59.3%
8820	Self-employed & Unpaid Family Workers	8.2%
9300	Local Government, except Education	3.0%
1380	Oil And Gas Field Services	2.3%
1620	Heavy Construction, except Highway	2.3%

**Skills Required**

- Repairing -- Repairing machines or systems using the needed tools
- Troubleshooting -- Determining what is causing an operating error and deciding what to do about it
- Installation -- Installing equipment, machines, wiring, or programs to meet specifications
- Equipment Maintenance -- Performing routine maintenance and determining when and what kind of maintenance is needed
- Product Inspection -- Inspecting and evaluating the quality of products
- Testing -- Conducting tests to determine whether equipment, software, or procedures are operating as expected