



ELECTRICIANS AT A GLANCE

Statutes: Chapter 1305, Occupations Code

Rules: Title 16 T.A.C. Chapter 73

Practice Act? Yes

Title Act? Yes

Number of Licensees: 168,194 (FY 22)

Webpage: <https://www.tdlr.texas.gov/electricians/elec.htm>

Overview: Anyone who performs, or offers to perform, non-exempt electrical work in the state of Texas must be licensed and perform that work through a licensed electrical contractor. "Electrical work" includes any labor or material used in installing, maintaining or extending an electrical wiring system, and any items or equipment used in connection with the use of electrical energy inside or outside a building or property as defined by the National Electrical Code.

Code Compliant installations

All non-exempt electrical work must be installed in accordance with the latest edition of the National Electrical Code (NEC) adopted by TDLR. The 2020 NEC is the current edition.

Solar (Photovoltaic) Installation

Anyone who offers to perform installation of solar panels (also known as photovoltaics) must be an electrician licensed by TDLR. Anyone who offers a "turnkey" service that includes the solar panels, other equipment and its installation must have a TDLR electrical contractor license.

For exemptions to the licensing law, see:

<https://www.tdlr.texas.gov/electricians/elecfaq.htm#exemptions>.

Individual license requirements:

- **Electrical Apprentice:** Be at least 16 years old; assisting in the installation of electrical work under the supervision of a master electrician, journeyman electrician, or residential wireman.
- **Electrical Sign Apprentice:** be at least 18 years old; assisting in the installation of electrical work under the supervision of a master electrician, master sign electrician, or journeyman sign electrician.
- **Master Electrician:** 12,000 hours of on-the-job training under the supervision of a master electrician; must have held a journeyman electrician license for at least two years; passing score on the master electrician examination. Note: Note: The Journeyman Lineman and Journeyman Industrial Electrician licenses are limited licenses and are NOT equivalent to a Journeyman Electrician license.
- **Master Sign Electrician:** 12,000 hours of on-the-job training under the supervision of a master or master sign electrician; passing score on the master sign electrician examination.
- **Journeyman Electrician:** 8,000 hours of on-the-job training under the supervision of a master electrician; passing score on the journeyman electrician examination.
- **Journeyman Sign Electrician:** 8,000 hours of on-the-job training under the supervision of a master or master sign electrician; passing score on the journeyman sign electrician examination.
- **Journeyman Lineman:** 7,000 hours of training in an apprenticeship program approved by the United States Department of Labor; or 3 ½ years of experience as a journeyman lineman for electric utility, electric cooperative, municipality owned utility, or electrical contractor in this state; passing score on the journeyman lineman examination.
- **Journeyman Industrial Electrician:** have at least 8,000 hours of on-the-job training as a licensed electrical apprentice under the supervision of a master electrician; passing score on the journeyman industrial electrician examination.
- **Residential Wireman:** 4,000 hours of on-the-job training under the supervision of a master electrician or residential wireman; passing score on the residential wireman examination.
- **Maintenance Electrician:** 8,000 hours of on-the-job training under the supervision of a master electrician or a maintenance electrician; passing score on the maintenance electrician examination.
- **Residential Appliance Installer:** be at least 16 years old; pass the residential appliance installer examination.



Business license requirements:

- **Insurance requirements:** All electrical contractors, electrical sign contractors, and residential appliance installation contractors are required to maintain workers' compensation insurance and at least the minimum general liability insurance coverages at all times to satisfy proof of financial responsibility. These requirements are:
- **Electrical Contractor:** you must be a licensed master electrician.
- **Electrical Sign Contractor:** must be a licensed master electrician or master sign electrician, or employ a licensed master electrician or master sign electrician;
- **Residential Appliance Installation Contractor:** must be a licensed residential appliance installer, or employ a licensed residential appliance installer.

The **Electrical Safety and Licensing Advisory Board** has nine members serving six year terms, which includes:

- three master electrician members;
- three journeyman electrician members;
- one master sign electrician member; and
- two public members.

Of the nine members, the board must include:

- two members who are affiliated with a statewide association of electrical contractors not affiliated with a labor organization;
- three members who are affiliated with a labor organization;
- one member who is not affiliated with a statewide association of electrical contractors or with a labor organization;
- one member who is affiliated with a historically underutilized business, as that term is defined by Section 2161.001, Government Code; and
- One public member who is a building contractor principally engaged in home construction and is a member of a statewide building trade association. A licensed electrical engineer or an electrical inspector may be appointed as a public member of the advisory board.

| License Types | Fees |
|--|-------|
| Master Electrician | \$45 |
| Master Sign Electrician | \$45 |
| Journeyman Electrician | \$30 |
| Journeyman Sign Electrician | \$30 |
| Journeyman Lineman | \$30 |
| Journeyman Industrial Electrician (as of 9/1/18) | \$30 |
| Residential Wireman | \$20 |
| Maintenance Electrician | \$20 |
| Residential Appliance Installer | \$30 |
| Residential Appliance Installer Contractor | \$110 |
| Electrical Contractor | \$110 |
| Electrical Sign Contractor | \$110 |
| Electrical Apprentice | \$20 |
| Electrical Sign Apprentice | \$20 |

For information on exam content, fees, requirements, and procedures, please review the Candidate Information Bulletin linked to the TDLR Electrician Exam Information web page (www.tdlr.texas.gov/electricians/elecexam.htm).

Check if an Electrician has a license:

<https://www.tdlr.texas.gov/LicenseSearch/>.

Check if an Electrician has been fined or had their license

revoked: <https://www.tdlr.texas.gov/cimsfo/fosearch.asp>.

Concerned about an Electrician or Technician? File a

complaint: <https://www.tdlr.texas.gov/complaints/>.