



PSI Services LLC
<https://test-takers.psiexams.com/tdlnrp>
Email: TDLRSupport@psionline.com

TEXAS DEPARTMENT OF LICENSING AND REGULATION

**ELECTRICIAN
CANDIDATE INFORMATION BULLETIN**



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Please refer to our website to check for the most updated information at
<https://test-takers.psiexams.com/tdlnrp>

EXAMINATION SCHEDULING PROCEDURES

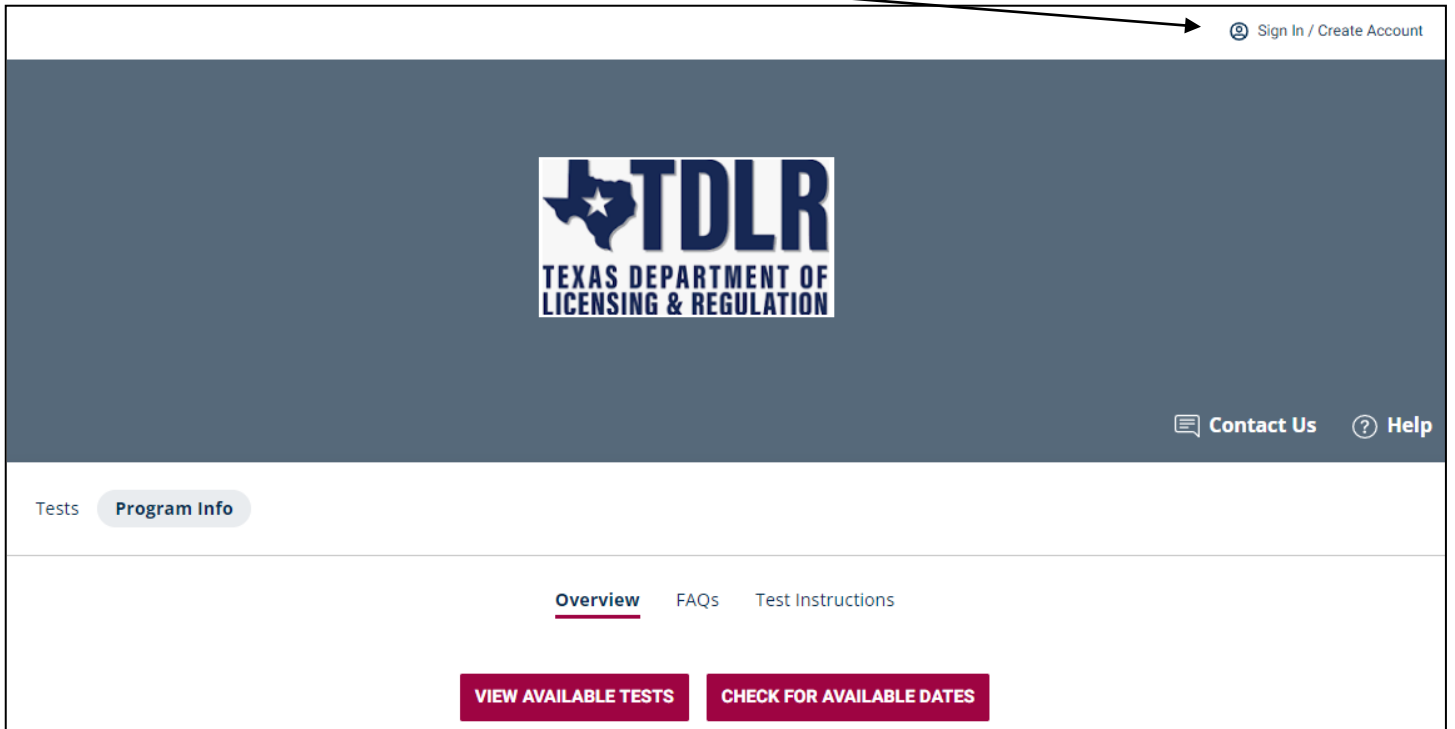
The Texas Department of Licensing & Regulation (TDLR) has contracted with PSI Services LLC (PSI) to deliver its examinations.

Upon TDLR approval of eligibility, you will receive an email confirmation with instructions for scheduling an appointment to take the examination. (If you have not provided an email address, you will receive a postcard via U.S. Mail with this information). You are allowed to test unlimited through your eligibility period.

INTERNET REGISTRATION

For the fastest and most convenient examination scheduling process, register for your examinations online by accessing PSI's registration Website: (<https://test-takers.psiexams.com/tdlnrp>)

1. Select **Sign In/Create Account**.



Sign In / Create Account

TDLR
TEXAS DEPARTMENT OF
LICENSING & REGULATION

Contact Us Help

Tests **Program Info**

Overview FAQs Test Instructions

VIEW AVAILABLE TESTS **CHECK FOR AVAILABLE DATES**

2. You will be prompted to **CREATE AN ACCOUNT** with PSI.

The first and last name must match exactly with your current, valid, government-issued ID.

<input type="text" value="TDLR ID# *"/>	
<input type="text" value="First Name *"/>	<input type="text" value="Last Name *"/>
<input type="text" value="Middle Name"/>	<input type="text" value="Generation"/>
<input type="text" value="Email *"/>	
<input type="text" value="Password *"/>	Your password must contain: <ul style="list-style-type: none">• At least one capital letter A-Z• At least one lower case letter a-z• At least one number 0-9• At least one special character !@#V\$%^&V*• At least 8 and up to 32 characters
<input type="text" value="Confirm Password *"/>	

3. Enter the “City or Postal Code” and select **SEARCH**. You will then select the date and time you would like to test.

Houston, TX, USA

200 Miles

SEARCH

April 2023

SUN	MON	TUE	WED	THU	FRI	SAT
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

Houston East - Innovative Minds (16.24 MI)
11811 East Freeway, Ste. 260, Atrium Tower
Type: PSI Authorized

Availability By Day

S M T **W** T F S

Available Times: Wednesday April 19

8:30 AM 8:45 AM 11:45 AM 1:15 PM 1:45 PM
3:00 PM

4. You are now ready to pay.

Payment

Credit Card

VISA MasterCard AMEX discover

Credit Card Number

Expiration

MM / YY

Name on Card

CVV

Total (USD)

5. Once payment has been made you will receive a message confirming the test center, booked date, and booked time.

Booking Confirmed!! [Print Confirmation](#)

Email Address: asingla81@psionline.com Home Phone: 111224444 Office Phone: 2221112345

TELEPHONE REGISTRATION

For telephone registration, you will need a valid credit card (Visa, MasterCard, American Express or Discover). PSI registrars are available at (833) 333-4741, Monday through Friday between 6:30 am and 9:00 pm, and Saturday-Sunday between 8:00 am and 4:30 pm, Central Time, to receive your payment and schedule your appointment for the examination.

STANDARD MAIL REGISTRATION

If you prefer, you may mail the Examination Registration Form (found at the end of this Candidate Information Bulletin). Mail the completed Examination Registration Form to PSI with the appropriate examination fee. Payment of fees may be made by credit card (Visa, MasterCard, American Express or Discover), money order, company check or cashier’s check. Money order or check must be made payable to PSI, with your student permit number noted on it to ensure that your fees are properly assigned. **CASH AND PERSONAL CHECKS ARE NOT ACCEPTED.** Please allow 7 business days to process before contacting PSI to schedule.

CANCEL OR RESCHEDULE AN EXAMINATION APPOINTMENT

You may cancel and reschedule an examination appointment without forfeiting your fee if your *cancellation notice is received 2 days before the scheduled examination date*. For example, for a Monday appointment, the cancellation notice would need to be received on the previous Saturday. Please use the PSI Website or call PSI at (833) 333-4741.

Note: A voice mail or email message is not an acceptable form of cancellation. Please use the PSI Website or call PSI to speak directly to a Customer Service Representative.

MISSED APPOINTMENT OR LATE CANCELLATION

Your registration will be invalid, you will not be able to take the examination as scheduled, and you will forfeit your examination fee, if you:

- Do not cancel your appointment 2 days before the schedule examination date.
- Do not appear for your examination appointment.
- Arrive after examination start time.
- Do not present proper identification when you arrive for the examination.

EXAMINATION ACCOMMODATIONS

All PSI examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990, and exam accommodations will be made in meeting a candidate's needs. A candidate with a disability or a candidate who would otherwise have difficulty taking the examination should request for alternative arrangements by [Clicking Here](#). This form also includes out-of-state testing requests.

FOREIGN LANGUAGES

Examinations are available in English and Spanish for no additional cost. To take one of these examinations you must indicate your language preference when you schedule your examination.

For languages other than English or Spanish, you may request to have the examination translated by contacting PSI and paying an additional cost for each translation. You will be advised of the cost once PSI receives the quote for the translation. This fee will be paid by the candidate. To request, please fill out the form by [Clicking Here](#).

Candidates may also bring a bound Word-to-Word translation dictionary. The dictionary cannot contain pictures or definitions. Candidates are not permitted to bring in any additional papers (loose or attached) with their dictionary. Highlighting, underlining, indexing, or marking in the dictionary prior to or during the examination is prohibited. Any candidate caught writing, highlighting, underlining, and or indexing in the dictionary during the examination will be subject to forfeiting their dictionary, termination of their examination and reporting the incident to the Texas Department of Licensing and Regulation.

EXAMINATION SITE CLOSING FOR AN EMERGENCY

In the event that severe weather or another emergency forces the closure of an examination site on a scheduled examination date, your examination will be rescheduled. PSI personnel will attempt to contact you in this situation. However, you may check the status of your examination schedule by calling (833) 333-4741. Every effort will be made to reschedule your examination at a convenient time as soon as possible.

REPORTING TO THE EXAMINATION SITE

On the day of the examination, you should arrive 30 minutes prior to your scheduled appointment time. This allows time for sign-in and identification verification. NO conversing or any other form of communication among candidates is permitted once you enter the [examination area](#).

If you arrive late, you will NOT be admitted to the examination site and you will forfeit your examination registration fee.

REQUIRED IDENTIFICATION AT EXAMINATION SITE

You must provide 1 form of identification. The identification must be a VALID form of government-issued identification for example, driver's license*, state ID, or passport, which bears your printed name, photograph, signature or fingerprint, date of birth, and expiration date. Identification provided must match all information provided by TDLR to PSI upon eligibility. If your ID does not contain the required information, you may be asked to provide other forms of valid identification to confirm your identity. A digital copy of your identification documentation will be taken upon check in and stored with your personal data.

*An expired driver's license will be accepted only if accompanied by a VALID Texas Department of Public Safety temporary permit. Likewise, the temporary permits must be accompanied by the expired DPS driver's license.

If you cannot provide the required identification, you must call (833) 333-4741 at least 3 weeks prior to your scheduled appointment to arrange a way to meet this security requirement. *Failure to provide the required identification at the time of the examination without notifying PSI is considered a missed appointment, and you will not be able to take the examination and will forfeit your examination fee.*

SECURITY PROCEDURES

The following security procedures will apply during the examination:

- Only non-programmable calculators that are silent, battery-operated, do not have paper tape printing capabilities, and do not have a keyboard containing the alphabet will be allowed in the examination site.
- Candidates may take only approved items into the examination room.
- All personal belongings of candidates should be placed in the secure storage provided at each site prior to entering the examination room. Personal belongings **include, but are not limited to**, the following items:
 - **Electronic devices of any type, including cellular / mobile phones, recording devices, electronic watches, cameras, pagers, laptop computers, tablet computers (e.g., iPads), music players (e.g., iPods), smart watches, radios, or electronic games.**
 - **Bulky or loose clothing or coats** that could be used to conceal recording devices or notes. For security purposes outerwear such as, but not limited to: open sweaters, cardigans, shawls, scarves, vests, jackets, and coats are not permitted in the testing room. **In the event you are asked to remove the outerwear, appropriate attire, such as a shirt or blouse should be worn underneath.**
 - **Hats or headgear not worn for religious reasons** or as religious apparel, including hats, baseball caps, or visors.
 - **Other personal items**, including purses, notebooks, reference or reading material, briefcases, backpacks, wallets, pens, pencils, other writing devices, food, drinks, and good luck items.
- Person(s) accompanying an examination candidate may not wait in the examination center, inside the building or on the building's property. This applies to guests of any nature, including drivers, children, friends, family, colleagues, or instructors.
- No smoking, eating, or drinking is allowed in the examination center.
- During the check in process, all candidates will be asked if they possess any prohibited items. Candidates may also be asked to empty their pockets and turn them out for the proctor to ensure they are empty. The proctor may also ask candidates to lift up the ends of their sleeves and the bottoms of their pant legs to ensure that notes or recording devices are not being hidden there.
- Proctors will also carefully inspect eyeglass frames, tie tacks, or any other apparel that could be used to harbor a recording device. Proctors will ask to inspect any such items in candidates' pockets.
- If prohibited items are found during check-in, candidates shall put them in the provided secure storage or return these items to their vehicle. PSI will not be responsible for the security of any personal belongings or prohibited items.
- Any candidate possessing prohibited items in the examination room shall immediately have his or her test results invalidated, and PSI shall notify the examination sponsor of the occurrence.
- Any candidate seen giving or receiving assistance on an examination, found with unauthorized materials, or who violates any security regulations will be asked to surrender all examination materials and to leave the examination center. All such instances will be reported to the examination sponsor.
- Copying or communicating examination content is violation of a candidate's contract with PSI, and federal and state law. Either may result in the disqualification of examination results and may lead to legal action.
- Once candidates have been seated and the examination begins, they may leave the examination room only to use the restroom, and only after obtaining permission from the proctor. Candidate will not receive extra time to complete the examination.

TAKING YOUR EXAMINATION AT A PSI TEST SITE

The examination will be administered via computer. You will be using a mouse and computer keyboard.

IDENTIFICATION SCREEN

You will be directed to a semi-private testing station to take the examination. When you are seated at the testing station, you will be prompted to confirm your name, identification number, and the examination for which you are registered.

TUTORIAL

Before you start your examination, an introductory tutorial to the computer and keyboard is provided on the computer screen. The time you spend on the tutorial, up to 15 minutes, DOES NOT count as part of your examination time. Sample questions are included following the tutorial so that you may practice using the keys, answering questions, and reviewing your answers.

TEST QUESTION SCREEN

One question appears on the screen at a time. During the examination, minutes remaining will be displayed at the top of the screen and updated as you record your answers.

IMPORTANT: After you have entered your responses, you will later be able to return to any question(s) and change your response, provided the examination time has not run out.

EXAMINATION REVIEW

PSI, in cooperation with TDLR, will be regularly evaluating the examinations being administered to ensure that the examinations accurately measure competency in the required knowledge areas. While taking the examination, examinees will have the opportunity to provide comments on any questions, by clicking the Comments button on the Exam Question Screen. These comments will be analyzed by PSI examination development staff. Although PSI does not respond to individuals regarding these comments, all substantive comments are reviewed. If a discrepancy is found during the comment review, PSI and the department may re-evaluate candidate results and adjust them accordingly. **This is the only review of the written examination available to candidates.**

EXAMINATION SITE LOCATIONS

Abilene

301 S Pioneer, Suite 103/104
Abilene, TX 79605

Head NW on US-83 N/US-84 W. Take the US-84 W/I-20 BUS exit toward Sweetwater/S 1st street. Turn Right onto S 1st street (signs for 1-20 E). Turn Right onto S Pioneer Drive.

Amarillo

4312 Teckla, Suite 500
Amarillo, TX 79109

Exit off I-40 to Western and go South one street passed the 7th traffic light to Ridgecrest and turn right. Stay on Ridgecrest until you come to the red brick office complex on the left side corner of Ridgecrest and Teckla. 4312 is the 3rd building facing Teckla. Ste 500 is the end suite on the North side of the building.

Arlington

Centerpoint IV
2401 E. Randol Mill Road, Suite 160
Arlington, TX 76011

From TX-360 S - Take the TX-180 exit towards Division St. Merge onto N Watson Rd. Take a slight left towards S. Watson Rd. Use the middle lane to turn left onto E Randol Mill Rd. The Centerpoint IV building will be on your right.

From I-30 E - Take exit 28 toward Baird farm Road/Ballpark Way/Legends Way. Merge onto E Copeland Rd. Take a slight right onto TX-360 Frontage Rd/N Watson Rd. Turn Right onto East Randol Mill Rd. The Centerpoint IV building will be on your right.

Austin

8000 Centre Park Drive, Suite 345
Austin, TX 78754

From US-290 East, merge onto US-290 East and exit onto I-35 North. Follow signs for US-183 North. Continue on US-183 North for 2.5 miles. Take the exit for FM 1325/Burnet Rd. Turn right onto Centre Park Dr.

Austin

1524 S I-35 Frontage Road, Suite 300
Austin, TX 78704

From I-35 S - Take exit 232 towards Woodland Ave. Merge onto S I-35 Frontage Rd and get into the right lane. In .1 miles, turn right into the parking lot. There is surface parking available for visitors. The PSI Testing Center is located on the 3rd floor.

Corpus Christi

2820 S Padre Island Dr, Suite 105
Corpus Christi, TX 78415

From So. Padre Island Drive East, exit at Kostoryz. Loop back under the Kostoryz light, travel west on the access road to the 2820 building. The examination site is located between Kostoryz and Ayers at the 2820 Building on the North site of the SPID access road.

Dallas

One Empire
1140 Empire Central Dr, Suite 610
Dallas, TX 75247

From I-35E South (Stemmons Fwy), exit Empire Central (#434A). Turn right on Empire Central Dr. From I-35E North towards Denton exit at Empire Central and turn left on Empire Central Dr.

Dallas/Richardson

1701 N Collins Blvd, Suite 130
Richardson, TX 75080

From US-75 North take exit 26 onto N. Central Expressway toward Collins Blvd./Campbell Rd. turn left onto Campbell Rd. Turn left on Collins Blvd. Building is on right.

El Paso

11500 Pellicano Dr, Suite B13
El Paso, TX 79936

Coming from El Paso Airport, take I-10 E to exit 28B towards Yarbrough drive. Merge onto Gtwy blvd east and turn left onto Lomaland drive. Continue to Pellicano drive and make a right and continue for a mile, complex is on the right hand side. Business complex building B is facing Goodyear drive on the right-hand side.

Fort Worth

6801 McCart Avenue, Suite B-1
Fort Worth, TX 76133

From I-20 take the McCart Ave exit #435. Go South on McCart Ave passing Altamesa Blvd. You will turn left at the next light which would be Southpark Lane. To the right, you may enter the 1st immediate parking entrance or the 2nd parking entrance on your right at 6801 McCart Ave Professional Building. Our office suite is B1 which is located on the Northside of the building facing Southpark Lane.

Harlingen - Innovative Minds

Executive Central Office Building
722 Morgan Blvd Suite D
Harlingen, TX 78550

From McAllen, TX: Get on I-2 from Hwy 83/W Business 83/W U.S. Business 83 and S 2nd St/S Col Rowe Blvd. Follow I-2 to US-83 BUS E in Harlingen. Take exit 175 from I-2. Take Tyler Ave to Morgan Blvd.

From Brownsville: Get on I-69E N/US-77 N/US-83 N from E 7th St. Follow I-69E N/US-77 N/US-83 N to S Expressway 83/Frontage Rd in Harlingen. Take exit 23A from I-69E N/US-77 N/US-83 N. Take Camelot Dr and S 77 Sunshine Strip to Morgan Blvd.

Houston North (Greenbriar Place)

Greenbriar Place
650 North Sam Houston Pkwy E, Suite 535
Houston, TX 77060

From the Beltway 8 going West, exit Imperial Valley Drive. U-turn under the belt. Go East on the Service Road (N Sam Houston Pkwy E). The site is just before the Hardy Toll Road Exit.

From I-610, take 45-North toward Dallas, exit Beltway 8 - East. Go East on the Service Road of Beltway 8 (N Sam Houston Pkwy E).

Houston (East)

Atrium Building
11811 I-10 East Freeway, Suite 260
Houston, TX 77029

From I-10 East, take the Federal Rd exit #778A. U-turn under the freeway and come back on the feeder road going West. Building is on the right side, next to Pappasitos Cantina.

From I-10 West, take the Holland Rd exit. Stay on the feeder road, building is on the right side, next to Pappasitos Cantina.

Houston (Southwest)

One West Belt
9555 W. Sam Houston Pkwy South, Suite 250
Houston, TX 77099

The street address is on the marquee in front of the building (9555 West Sam Houston Parkway South). On a smaller sign, sitting down in the grass next to the entry on Bissonnet, is the notation, "One West Belt". The Sam Houston Pkwy is also known as Beltway 8.

From US 59, heading South: Take the Bissonnet exit and turn right onto Bissonnet. Go about one mile - the building is on the right just before you reach the West Sam Houston Pkwy. You can turn right from Bissonnet into the parking lot, or, if you come to the Beltway, turn right onto the feeder road and then an immediate right into the parking lot.

Houston (Northwest)

9800 Northwest Freeway
Suite 200
Houston, TX 77092

From Hwy 290 driving southeast, merge onto Loop 610 North. Exit at T.C. Jester and then U-turn under Loop 610. Stay on the feeder road, Sheraton Hotel is on the right as the road curves right. Turn into the parking lot immediately after the Sheraton Hotel and before the office building. Site is on the 2nd floor.

Lubbock

The Center
4413 82nd St., Suite 210
Lubbock, TX 79424

From S Loop 289, take the Quaker Ave exit and go South. Turn right on 82nd St.

McAllen

7000 N. 10th
Street Suite C-4
McAllen, TX 78504

From S Expressway 281/S US-281, turn right onto E Trenton Rd. Turn left onto N 10th St /TX-336. The test site is on the left.

Midland

Westwood Village Shopping Center
4200 West Illinois Avenue, Suite 200
Midland, TX 79703

From I-20, take Midkiff Road exit. Go North on Midkiff Road. Take a left on Illinois Ave. Go .8 miles and turn right into Premier High School in the shopping strip parking lot at 4200 W Illinois. Suite is at the end of the left Strip.

San Antonio

6655 First Park 10 Blvd., Suite 230
San Antonio, TX 7821

From I-10 West - Take exit 565A towards Crossroads Blvd/Balcones Heights and merge onto Frontage Rd. Turn right onto First Park Ten Blvd and go about ½ mile. The building will be on the right.

San Antonio

5555 NW Parkway, Ste 135.
San Antonio, TX 78249

From I-10E - Use the right lane to take exit 559 towards TX-345 S/Fredericksburg Rd. Use the right lane to merge onto Frontage Road/I-10 Frontage Rd. Go .4 miles then turn right onto Northwest Parkway. Take the second right into the parking lot and enter the building.

Tyler

3800 Paluxy Dr, Suite 310
Tyler, TX 75703

From 1-20, turn south on Hwy 69 and go to Loop 323. Turn right on 323 and follow 323 to the intersection of Paluxy Dr. Turn right on Paluxy Drive. The Paluxy Square Complex will be immediately on the left. Go to Building 3 which is in the back.

Waco

345 Owen Lane, Suite 124
Waco, TX 76710

From TX-6, take the Waco Drive exit, loop under the bridge where you will be on Sanger Ave, turn right on Owen Ln. The examination site is behind the Richland Mall and directly across the street from the City of Waco water tower.

SCORE REPORTING

Your score will be given to you immediately following completion of the examination. The following summary describes the score reporting process:

- **On screen** - your score will appear immediately on the computer screen. This will happen automatically at the end of the time allowed for the examination;
 - If you **pass**, you will immediately receive a successful notification.
 - If you **do not pass**, you will receive a diagnostic report indicating your strengths and weaknesses by examination type with the score report.
- **On paper** - an official score report will be printed at the examination site.

DUPLICATE SCORE REPORTS

You can print a duplicate score report from your online account.

NON-SCORED QUESTIONS

Your examination contains non-scored questions. The use of such questions is an essential step in developing accurate future examinations. These questions will NOT be scored and time to answer them has been added to the time allowed.

EXAMINATION REFERENCE MATERIAL LIST

The reference material listed below was used to prepare the questions for the examinations. When responding to the test questions, do not consider code exceptions or optional calculation methods unless the test question specifically directs you to consider them.

The examinations are OPEN BOOK. The following reference material is allowed in the examination site:

National Electrical Code®, 2023 Edition

Candidates are responsible for bringing their own reference - National Electrical Code® (NEC book) to the examination site. Electronic notepads will be provided.

What is allowed:

- Any soft-bound edition of the National Electrical Code® may be used for the examination. (Examination questions are based on the current TDLR-adopted bound edition). **Loose-leaf, spiralbound, or ring-bound copies of the NEC book, will NOT be allowed in the examination room.**
- Candidate's NEC book may be highlighted, underlined, and/or contain notes prior to the examination session.
- NEC books may be tabbed with permanent index tabs manufactured and/or provided by the NEC book publisher.

What is not allowed:

- Candidates may **NOT** write, highlight, underline, index, or mark their NEC book during the examination session.
- Candidates are **NOT** permitted to have their NEC books tabbed with homemade, DIY, or non-NEC tabs.
- **Any** additional paper (loose, taped, adhered, stapled, etc.) will **NOT** be allowed in the examination room.
- **Loose-leaf, spiralbound, or ring-bound** copies of the NEC book, will **NOT** be allowed in the examination room.
- The **NEC HANDBOOK** is **NOT** allowed in the examination room.

Consequences:

- Candidates arriving with non-compliant NEC books will be given the option to test without their non-compliant NEC book, test with their homemade/DIY/non-NEC tabs removed by the candidate or forfeit their examination fee and test on another day with an NEC book in compliance with CIB requirements at the candidate's expense.
- Violations occurring during the examination session will be reported to the Texas Department of Licensing and Regulation and can result in candidates surrendering all examination materials including their code books, invalidation of their test score, and severe civil and/or criminal penalties.

EXAMINATION CONTENT OUTLINES

MASTER ELECTRICIAN

THE MASTER ELECTRICIAN EXAMINATION CONSISTS OF TWO PORTIONS

The Master Electrician written examination has been reformatted to consist of two portions: NEC Knowledge and Calculations. The examination content remains the same, however, the calculation questions have been separated from the NEC knowledge questions to create two separate portions.

Both portions of the written examination are multiple choice. You will need to pass each portion with a minimum score of 70%. Please note that if you finish your first portion of your exam the time does NOT roll over into your next administration.

The Master Electrician examination fee is \$78 for both portions. If you fail a portion or both portions, the retake examination fee is \$78.

Texas Master Electrician NEC Knowledge Portion

75 Items (including 5 Non-Scored Items)
150 Minutes - 70% Correct to Pass

CONTENT OUTLINE - NEC KNOWLEDGE PORTION

Subject Area	# of Items
Definitions, Theory, and Plans	7
Code Definitions	
Electrical Theory	
Plan Reading	
Electrical Services, Service Equipment, and Separately Derived Systems	11
Load Knowledge	
Fault Current	
Electrical Service Equipment	
Temporary Wiring	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	4
Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Branch Circuit Conductors	11
GFCI and AFCI Protection	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	7
Raceways and Cable Trays	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Underground Wiring	

Electrical Equipment and Devices	8
Receptacles and Switches	
Luminaires	
Air Conditioning, Refrigeration, and Heating Equipment	
Appliances	
Workspace Clearance	
Motors and Generators	7
Motors	
Generators	
Electrical Control Devices and Disconnecting Means	3
Control Devices and Disconnecting Means	
Special Occupancies, Equipment, and Conditions	8
Special Occupancies	
Swimming Pools, Fountains, and Similar Installations	
RVs, Mobile Homes, Park Trailers, and Marinas	
Data Processing and Communications Equipment	
Miscellaneous Equipment	
Emergency Systems	
Renewable Energy Technologies	4
Photovoltaics	
Electrical Vehicle Chargers	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

Texas Master Electrician Calculations Portion

33 Items (including 3 Non-Scored Items)
170 Minutes - 70% Correct to Pass

CONTENT OUTLINE - CALCULATIONS PORTION

Subject Area	# of Items
Calculations and Theory	2
Electrical Theory	
Electrical Services, Service Equipment, and Separately Derived Systems	8
Load Calculations	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	3
Feeder Load Calculations	
Feeder Overcurrent Protection	
Branch Circuit Calculations and Conductors	4
Branch Circuit Calculations	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	

Electrical Wiring Methods and Electrical Materials	2
Raceways	
Electrical Equipment and Devices	2
Air Conditioning, Refrigeration, and Heating Equipment	
Appliances	
Motors and Generators	6
Motors	
Generators	
Electrical Control Devices and Disconnecting Means	1
Control Devices and Disconnecting Means	
Special Occupancies, Equipment, and Conditions	1
RVs, Mobile Homes, Park Trailers, and Marinas	
Renewable Energy Technologies	1
Electrical Vehicle Chargers	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

JOURNEYMAN ELECTRICIAN

The Journeyman Electrician written examination has been reformatted to consist of two portions: NEC Knowledge and Calculations. The examination content remains the same, however, the calculation questions have been separated from the NEC knowledge questions to create two separate portions.

Both portions of the written examination are multiple choice. You will need to pass each portion with a minimum score of 70%. Please note that if you finish your first portion of your exam the time does NOT roll over into your next administration.

The Journeyman Electrician examination fee is \$78 for both portions. If you fail a portion or both portions, the retake examination fee is \$78.

Texas Journeyman Electrician NEC Knowledge Portion

59 Items (including 3 Non-Scored Items)
130 Minutes - 70% Correct to Pass

CONTENT OUTLINE - NEC KNOWLEDGE PORTION

Subject Area	# of Items
Definitions, Theory, and Plans	3
Code Definitions	
Electrical Theory	
Plan Reading	
Electrical Services, Service Equipment, and Separately Derived Systems	6
Load Knowledge	
Fault Current	
Electrical Service Equipment	
Temporary Wiring	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	3
Feeder Load Knowledge	
Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Branch Circuits and Conductors	10
GFCI and AFCI Protection	
Branch Circuits	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	10
Raceways and Cable Trays	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Underground Wiring	

Electrical Equipment and Devices	10
Receptacles and Switches	
Luminaires	
Air Conditioning, Refrigeration, and Heating Equipment	
Appliances	
Workspace Clearance	
Motors and Generators	5
Motors	
Generators	
Electrical Control Devices and Disconnecting Means	1
Control Devices and Disconnecting Means	
Special Occupancies, Equipment, and Conditions	6
Special Occupancies	
Swimming Pools, Fountains, and Similar Installations	
RVs, Mobile Homes, Park Trailers, and Marinas	
Data Processing and Communications Equipment	
Emergency Systems	
Miscellaneous Equipment	
Renewable Energy Technologies	2
Photovoltaics	
Electrical Vehicle Chargers	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

Texas Journeyman Electrician Calculations Portion

26 Items (including 2 Non-Scored Items)
110 Minutes - 70% Correct to Pass

CONTENT OUTLINE - CALCULATIONS PORTION

Subject Area	# of Items
Calculations and Theory	2
Electrical Theory	
Electrical Services, Service Equipment, and Separately Derived Systems	4
Load Calculations	
Electrical Service Equipment	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	3
Feeder Load Calculations	
Feeder Overcurrent Protection	
Branch Circuit Calculations and Conductors	4
Branch Circuit Calculations	
Branch Circuit Overcurrent Protection	
Conductors	

Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	2
Raceways	
Boxes and Enclosures	
Electrical Equipment and Devices	2
Air Conditioning, Refrigeration, and Heating Equipment	
Appliances	
Motors and Generators	2
Motors	
Generators	
Electrical Control Devices and Disconnecting Means	1
Control Devices and Disconnecting Means	
Special Occupancies, Equipment, and Conditions	3
RVs, Mobile Homes, Park Trailers, and Marinas	
Data Processing and Communications Equipment	
Miscellaneous Equipment	
Renewable Energy Technologies	1
Electrical Vehicle Chargers and Photovoltaics	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

MAINTENANCE ELECTRICIAN

Texas Maintenance Electrician
60 Items - 180 Minutes - 70% Correct to Pass
5 Non-Scored Items - 20 Minutes
Examination Fee \$64

CONTENT OUTLINE

Subject Area	# of Items
Definitions, Calculations, Theory, and Plans	5
Code Definitions	
Electrical Theory	
Plan Reading	
Electrical Services, Service Equipment, and Separately Derived Systems	8
Load Calculations	
Fault Current	
Electrical Service Equipment	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	3
Feeder Load Calculations	
Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Branch Circuit Calculations and Conductors	10
GFCI/AFCI Protection	
Branch Circuit Calculations	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	9
Raceways and Cable Trays	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Underground Wiring	
Electrical Equipment and Devices	10
Receptacles and Switches	
Luminaires	
Air Conditioning, Refrigeration, and Heating Equipment	
Appliances	
Workspace Clearance	
Motors and Generators	4
Motors	
Generators	
Electrical Control Devices and Disconnecting Means	3

Control Devices and Disconnecting Means	
Special Occupancies, Equipment, and Conditions	8
Special Occupancies	
Swimming Pools	
RVs and Mobile Homes	
Data Processing and Communications Equipment	
Emergency Systems	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

MASTER SIGN ELECTRICIAN

Texas Master Sign Electrician
 100 Scored Items - 300 Minutes - 70% Correct to Pass
 5 Non-Scored Items - 20 Minutes
 Examination Fee \$64

CONTENT OUTLINE

Subject Area	# of Items
Definitions, Calculations, and Theory	6
Code Definitions	
Electrical Theory	
Electrical Services, Service Equipment, and Separately Derived Systems	16
Load Calculations	
Fault Current	
Electrical Service Equipment	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	3
Feeder Load Calculations	
Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Branch Circuit Calculations and Conductors	15
GFCI Protection	
Branch Circuit Calculations	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	8
Raceways	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Underground Wiring	
Electrical Equipment and Devices	10
Receptacles and Switches	

Luminaires	
Workspace Clearance	
Motors and Generators	2
Motors	
Electrical Control Devices and Disconnecting Means	4
Controllers, Switches, and Disconnects	
Electric Signs and Outline Lighting	36
Enclosures	
Fountains	
Sign Transformers	
Sign Disconnects	
Parts Bonding	
Sign Switches	
Sign Cords/Wiring	
Sign Outlets	
Neon Tubing	
Sign Conduit	
Neon Power Supply	
Sign Conductors	
Sign Equipment Location	
Special Approval	
Sign Branch Circuits	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

JOURNEYMAN SIGN ELECTRICIAN

Texas Journeyman Sign Electrician

80 Scored Items - 240 Minutes - 70% Correct to Pass

5 Non-Scored Items - 20 Minutes

Examination Fee \$64

CONTENT OUTLINE

Subject Area	# of Items
Definitions, Calculations, and Theory	10
Code Definitions	
Electrical Theory	
Electrical Services, Service Equipment, and Separately Derived Systems	8
Load Calculations	
Fault Current	
Electrical Service Equipment	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	3
Feeder Load Calculations	

Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Branch Circuit Calculations and Conductors	10
GFCI Protection	
Branch Circuit Calculations	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	6
Raceways	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Underground Wiring	
Electrical Equipment and Devices	8
Receptacles and Switches	
Luminaires	
Workspace Clearance	
Motors and Generators	1
Motors	
Electrical Control Devices and Disconnecting Means	3
Controllers, Switches, and Disconnects	
Electric Signs and Outline Lighting	31
Enclosures	
Fountains	
Sign Transformers	
Sign Disconnects	
Parts Bonding	
Sign Switches	
Sign Cords and Wiring	
Sign Outlets	
Neon Tubing	
Sign Conduit	
Neon Power Supply	
Sign Conductors	
Sign Equipment Location	
Special Approval	
Sign Branch Circuits	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

RESIDENTIAL WIREMAN ELECTRICIAN

Texas Residential Wireman
 80 Items - 240 Minutes - 70% Correct to Pass
 5 Non-Scored Items - 20 Minutes
 Examination Fee \$64

CONTENT OUTLINE

Subject Area	# of Items
Definitions, Calculations, Theory, and Plans	8
Code Definitions	
Electrical Theory	
Plan Reading	
Electrical Services, Service Equipment, and Separately Derived Systems	16
Load Calculations	
Fault Current	
Electrical Service Equipment	
Temporary Wiring	
Electrical Grounding and Bonding	
Transformers	
Electrical Feeders	7
Feeder Load Calculations	
Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Branch Circuit Calculations and Conductors	14
GFCI and AFCI Protection	
Branch Circuit Calculations	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	10
Raceways	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Underground Wiring	
Electrical Equipment and Devices	12
Receptacles and Switches	
Luminaires	
Air Conditioning, Refrigeration, and Heating Equipment	
Appliances	
Workspace Clearance	
Motors and Generators	2
Motors	
Generators	

Electrical Control Devices and Disconnecting Means	2
Control Devices and Disconnecting Means	
Special Occupancies, Equipment, and Conditions	7
Special Occupancies	
Swimming Pools, Fountains, and Similar Installations	
RVs and Mobile Homes	
Emergency Systems	
Renewable Energy Technologies	2
Photovoltaics	
Electrical Vehicle Chargers	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

RESIDENTIAL APPLIANCE INSTALLER

Texas Residential Appliance Installer
80 Items - 240 Minutes - 70% Correct to Pass
5 Non-Scored Items - 20 Minutes
Examination Fee \$64

CONTENT OUTLINE

Subject Area	# of Items
Definitions, Calculations, and Theory	12
Code Definitions	
General Electrical Calculations	
GFCI Protection and Equipment Grounding and Bonding	15
GFCI Protection	
Equipment Grounding and Bonding	
Equipotential Bonding	
Electrical Wiring Methods and Electrical Materials	10
Raceways	
Boxes and Enclosures	
Cables, Flexible Cords, and Conductors	
Electrical Equipment and Devices	15
Receptacles, Switches, and Devices	
Appliances	
Workspace Clearance	
Utilization Equipment	
Motors	5
Electric Motors	
Electrical Control Devices and Disconnecting Means	5
Controllers, Switches, and Disconnects	
Swimming Pools, Spas, and Fountain Equipment	18
Pool Equipment	
Heater	
Pool Cover	

Pool Luminaires	
Pumps	
Vertical Clearance	
Horizontal Clearance	
Hot Tubs and Spas	
Fountain Equipment	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

JOURNEYMAN LINEMAN ELECTRICIAN

Texas Journeyman Lineman Electrician
 40 Items - 120 Minutes - 70% Correct to Pass
 3 Non-Scored Items - 12 minutes
 Examination Fee \$61

CONTENT OUTLINE

Subject Area	# of Items
Definitions and Theory	6
Code Definitions	
Electrical Theory	
Electrical Services and Service Equipment	8
Fault Current	
Electrical Service Equipment and Overcurrent Protection	
Electrical Grounding and Bonding	
Service Entrance Conductors	
Electrical Feeders	4
Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Feeder Disconnects	
Branch Circuit Calculations and Conductors	2
GFCI Protection	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	2
Raceways	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Underground Wiring	
Electrical Equipment and Devices	10
Luminaires	
Workspace Clearances	
Transformers	
Capacitors	

Surge Arresters	
Resistors and Reactors	
Motors and Generators	2
Motors	
Generators	
Electrical Control Devices and Disconnecting Means	6
Control Devices and Disconnecting Means	

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

JOURNEYMAN INDUSTRIAL ELECTRICIAN

Texas Journeyman Industrial Electrician
60 Scored Items - 180 Minutes - 70% Correct to Pass
5 Non-Scored Items - 20 Minutes
Examination Fee \$64

CONTENT OUTLINE

Subject Area	# of Items
Definitions, Theory, and Plans	7
Code Definitions	
Electrical Theory including Calculations	
Plan Reading	
Electrical Services, Service Equipment, and Separately Derived Systems	4
Electrical Service Equipment	
Temporary Wiring	
Transformers	
Electrical Feeders	4
Feeder Grounded Conductors, and Feeder Grounding and Bonding	
Feeder Overcurrent Protection	
Branch Circuit Calculations and Conductors	6
GFCI Protection	
Branch Circuit Overcurrent Protection	
Conductors	
Grounding and Bonding Conductors	
Electrical Wiring Methods and Electrical Materials	10
Raceways and Cable Trays	
Boxes and Enclosures	
Cabinets and Panels	
Cables and Cords	
Electrical Equipment and Devices	6
Luminaires, Receptacles, and Switches	
Workspace Clearance	
Switchgear and Motor Control Center (MCC)	
Electrical Heat Trace	
Motors and Generators	7

Motors	
Generators	
Electrical Control Devices and Disconnecting Means	3
Special Occupancies, Equipment, and Conditions	6
Special Equipment and Occupancies	
Hazardous Classified Locations	
Standby Systems	
Electrical Safety	7

Unless SPECIFICALLY NOTED in the question, all conductors are to be considered copper.

