



PSI Services, LLC
 3210 E Tropicana
 Las Vegas, NV 89121
 www.psiexams.com



**WASHINGTON STATE
 DEPARTMENT OF LABOR & INDUSTRIES**



**ELECTRICAL CERTIFICATION
 CANDIDATE INFORMATION BULLETIN**

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Please refer to our website to check for the most updated information in this bulletin
 Go to www.psiexams.com

EXAMINATIONS BY PSI

This Candidate Information Bulletin provides you with information about the examination and application process for certification in Washington as an electrician, master electrician, modified trainee, electrical and telecommunications administrator.

The State has contracted with PSI Services, LLC (PSI) to conduct its examination program. PSI works closely with the State to be certain that the examination meets local as well as national requirements in basic principles and examination development standards.

GUIDELINES FOR CERTIFICATION

HOW TO OBTAIN A CERTIFICATION

1. Before you can take the examination, you must apply and be approved by the Department of Labor and Industries, Electrical Program. Applications may be obtained from the department or online at <http://www.lni.wa.gov/tradeslicensing/electrical/default.asp>.
Washington State
Department of Labor & Industries
7273 Linderson Way SW
Tumwater, WA 98501-5414
Phone: 360-902-5269
2. Once the department has approved you for testing, you will receive an eligibility notice.
3. Denied candidates are notified by the department of the elements they need to complete in order to be approved.

Please note that Administrators do not need to apply to the department until they have passed the exam. Once all exams for the certification are passed, the candidate must apply to the department within 90 days of the last passing score.

All questions and requests for information about examinations should be directed to PSI.

PSI Services, LLC
3210 E Tropicana
Las Vegas, NV 89121
(800) 733-9267 • Fax (702) 932-2666
www.psiexams.com

EXAMINATION SCHEDULING PROCEDURES

Once you have been approved by the department, you are responsible for contacting PSI to schedule an appointment to take the examination. You may either schedule via the Internet at www.psiexams.com, or schedule over the telephone at (800) 733-9267.

- You have one year from your first attempt at an examination section to retest until you are successful. After that year is over, if you have not successfully passed that section, you have to re-take the entire

examination. Please note if you fail you must wait 14 days to retest.

- For the Modified Trainee examination, if you don't pass within one year, your approval to test will expire. You must contact the Department of Labor & Industries for information regarding application requirements.
- When scheduling an examination, keep in mind that there are several categories of electrical work (i.e., general, residential, telecommunications). A separate examination is offered for each category. These separate sections need to be scheduled for the same examination day.

FEES

PSI charges per hour for most examinations. Examinations that are based on a series of separate sections, however, such as the Master Electrician exam, will be billed at a flat rate. This is regardless of how many sections you take, complete, or how long you spend on the examination. But if you retest on this examination within a year, you will be billed per hour on the retest sections. Contact PSI to get the non-hourly examination rates.

Exam Time	Fee
1 hour	\$45.00
2 hours	\$55.00
3 hours	\$65.00
4 hours	\$75.00
5 hours	\$85.00
6 hours	\$95.00
7 hours	\$105.00

NOTE: REGISTRATION FEES ARE NOT REFUNDABLE OR TRANSFERABLE

INTERNET REGISTRATION

For the fastest and most convenient test scheduling process, PSI recommends that candidates register for their exams using the Internet. In order to register over the Internet, candidates will need to have a valid MasterCard or VISA. Candidates register online by accessing PSI's registration website at www.psiexams.com. Internet registration is available 24 hours a day. In order to register by Internet, complete the steps below:

1. Complete the registration form online and submit your information to PSI via the Internet.
2. Upon completion of the online registration form, you will be given the available exam dates and locations for scheduling your examination. Select your desired testing date and location.

TELEPHONE REGISTRATION

The second fastest method of scheduling is via the telephone with PSI's Interactive Voice Response system (IVR) during non-business hours or through live registrars during business hours. For telephone registration, you will need a valid VISA or MasterCard.

Call (800) 733-9267, 24 hours a day and register using the Automated Registration System. Otherwise, PSI registrars are available call Monday through Friday, between 4:30 am and



7:00 pm and Saturday, between 8:00 am and 2:00 pm, Pacific Time, to schedule your appointment for the examination.

FAX REGISTRATION

For Fax registration, you will need a valid VISA or MasterCard.

Complete the Examination Registration Form, including your credit card number and expiration date.

1. Fax the completed form to PSI (702) 932-2666. Fax registrations are accepted 24 hours a day.
2. If your information is incomplete or incorrect, it will be returned for correction.

Please allow 4 business days to process your Registration. After 4 business days, you may call PSI to schedule the examination, (800) 733-9267.

STANDARD MAIL REGISTRATION

For those desiring to make payment for their examination using **personal or company checks, cashiers checks or money orders**, or for those that simply do not wish to provide credit card information over the phone or Internet, you must use the Standard Mail Registration. In order to register, please follow the steps below.

1. Complete the PSI registration Form, and appropriate examination fee to PSI. Payment of fees can be made by personal or company check, money order or cashier's check. Personal or company check, money orders or cashier's checks should be made payable to PSI. Print your ID number on your personal or company check, cashier's check or money order to ensure that your fees are properly assigned. **CASH IS NOT ACCEPTED.**

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BE SURE TO READ ALL DIRECTIONS CAREFULLY BEFORE COMPLETING THE EXAMINATION REGISTRATION FORMS. IMPROPERLY COMPLETED FORMS WILL BE RETURNED TO YOU UNPROCESSED.

3. If your application or fees are not correct, we will return them to you immediately with instructions on correct application procedures.
4. Please allow 2 weeks to process your Registration. After 2 weeks, you may call PSI to schedule the examination after 7:30 a.m., Eastern Time, (800) 733-9267.

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. You may call PSI at (800) 733-9267. Please note that you may also use the automated system, using a touch-tone phone, 24 hours a

day in order to cancel and reschedule your appointment.

Note: A voice mail message is not an acceptable form of cancellation. Please use the Internet, automated telephone system (IVR), or call PSI and speak 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 scheduled 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. *You must provide 2 forms of identification.* One must be a VALID form of government issued identification (driver's license, state ID, passport, military ID), which bears your signature and has your photograph. The second ID must have your signature and preprinted legal name.

If you cannot provide the required identification, you must call (800) 733-9267 at least 3 weeks prior to your scheduled appointment to arrange a way to meet this security requirement. *Failure to provide ALL of 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 at that time.*

SPECIAL EXAMINATION ARRANGEMENTS

All examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990, and every reasonable accommodation will be made in meeting a candidate's needs. Applicants with disabilities or those who would otherwise have difficulty taking the examination must fill out the form at the end of this Candidate Information Bulletin and fax to PSI (702) 932-2666.

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 (800) 733-9267. Every effort will be made to reschedule your examination at a convenient time as soon as possible. You may also check our website at www.psiexams.com.

EXAMINATION SITE LOCATION

The following are the examination centers where you may take the examination.

Burlington
15053 Crosswind Dr
Burlington, WA 98233



From I-5, turn west onto Hwy 20, going approximately 4 miles to Higgins Airport Way. Turn right on Higgins Airport Way, going 1 mile and then turning left onto Crosswind Dr. Glacier Aviation Inc. will be on the right.

Everett

1010 S.E. Everett Mall Way, Suite 208
Everett, WA 98208

North on I-5, take Exit 189 (WA-526 W/WA-527 N to Mukilteo/Whidbey Is. Ferry/Broadway/Everett Mall Way). Bear right to WA-526 W / WA-527 N. You will see a sign reading "WA-527 N to Broadway/Everett Mall Way". At light, turn left on Bothell-Everett Hwy (SR-527) and go north for .5 mile to light at Broadway -get into left turn lane. Turn left onto Broadway which then becomes SE Everett Mall Way. Go approx .8; just past light at West Mall Dr get into middle left/right turn lane and turn left immediately before the Chevron gas station; proceed down lane approx. one block to 1010 behind the gas station.

South on I-5, take Exit 189 WA-526 W to Mukilteo/Whidbey Is. Ferry/Everett Mall Way - keep to the left. You will see a sign reading "to Everett Mall Way". Take ramp to right to light at Everett Mall Way. Proceed through light onto SE Everett Mall Way (stay in left lane). Go approx .8; just past light at West Mall Dr get into middle left/right turn lane and turn left immediately before the Chevron gas station; proceed down lane approx. one block to 1010 behind the gas station.

Olympia

3435 Martin Way E, Suite 1
Olympia, WA 98501

From I-5 South, take exit 108B for Martin Way, toward Sleater-Kinney Road North. Make a right onto Martin Way and follow that straight for a little over one mile. The test center will be on your left (soon after passing the 7/11) and there is no turn lane, though you can turn from the main lane of traffic.

From I-5 North, take exit 108B for Martin Way, toward Sleater-Kinney Road North. Make a left onto Martin Way and follow that straight for a little over one mile. The test center will be on your left (soon after passing the 7/11) and there is no turn lane, though you can turn from the main lane of traffic.

Federal Way (Seattle)

500 South 336th St., Suite 220
Federal Way, WA 98003

From I-5 to 320th street. Turn left on International (Pacific Hwy) (99). Turn right on 336th and pull in the 500 building parking lot.

Port Orchard

Avian Flight Center Inc
8900 State Hwy 3 SW Suite 101
Bremerton National Airport
Port Orchard, WA 98367

From Port Orchard, head west on WA-160/WA-166 for 2.7 miles. Turn left onto WA-16 W for ½ mile. Take the ramp toward WA-3 S/ Belfair/Shelton, then turn slight right onto WA-16. Turn left onto WA-3 going 4 miles to 8900 Sate Hwy 3 SW - Avian Flight Center Inc.

Spokane

9612 E. Sprague, Suite 206
Spokane, WA 99206

From I90 East, take exit 285 (Sprague) onto Appleyay. Turn left at Farr.

From I90 West, take exit 286 onto Sprague.

The PSI site is on the corner of Sprague & Farr. The building is the Washington State Youth Soccer Association (WSYSA).

Tacoma

6501 S 19th St
Bldg 17-Rm 201

Tacoma, WA 98466

From North or South I-5 take Exit 132 (Bremerton/HWY 16). Follow HWY 16 to the South 19th Street (West) - Orchard Street (South) Exit. Turn right at Orchard Street. Turn right at 19th Street and travel approximately 1.5 miles. Turn right at Mildred Street. TCC is on the right.

Vancouver

9013 N.E. Highway 99, Suite F
Vancouver, WA 98665

From the South: merge onto I-5 N toward Seattle.

Take the NE 78th St exit 4. Keep right at the fork to go on NE 78th St. Turn left onto NE Hgwy 99.

From the East: turn onto NE Padden Pkwy W (Padden Pkwy becomes NE 78TH ST). Turn right onto NE Highway 99.

Coming from the North: merge onto I-5 South. Take the NE 99TH St exit 5. Keep left at the fork in the ramp. Turn left onto NE 99th St. Turn right on NE Highway 99.

Center is located in the first building, Suite F

Wenatchee

The Wenatchee center
3764 Airport Way

East Wenatchee, WA 98802

From Highway 28 in East Wenatchee, WA. turn onto Grant Road. Follow Grant Road Approximately 4 miles to the Airport. As you pass the Airport turn at the second right onto Airport Way. From Airport Way turn right at the third entrance marked Entrance B. Drive straight ahead into the parking lot. Wings of Wenatchee is on the right side of the parking lot.

Yakima

1103 W. Yakima Ave, Suite A
Yakima, WA 98902

Going South on N 16th Ave, turn left on Summitview Ave. Turn right on N 11th Ave. Turn right on W Yakima Ave

Additionally, PSI has examination centers in many other regions across the United States. You may take this examination at any of these locations by calling (800) 733-9267. You will need to speak with a Customer Service Rep to schedule outside of Washington.

REPORTING TO THE EXAMINATION SITE

On the day of the examination, you should arrive at least 30 minutes before your appointment. This extra time is for signing in and familiarizing you with the examination process. *If you arrive late, you may not be admitted to the examination site and you will forfeit your examination fee.*

REQUIRED IDENTIFICATION AT EXAMINATION SITE

You must provide 2 forms of identification. One must be a VALID form of government issued identification (driver's license, state ID, passport, military ID), which bears your



signature and has your photograph. The second ID must have your signature and preprinted legal name.

If you cannot provide the required identification, you must call (800) 733-9267 at least 3 weeks prior to your scheduled appointment to arrange a way to meet this security requirement. *Failure to provide ALL of 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 at that time.*

SECURITY PROCEDURES

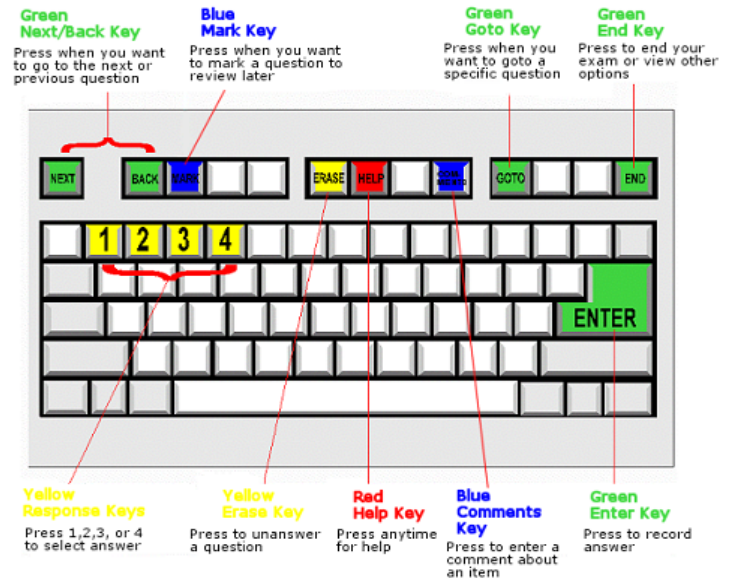
The following security procedures will apply during the examination:

- If you leave the testing room while the examination is in progress, you must sign out/in on the sign-in sheet and you will lose the examination time. You are not allowed to use any electronic devices or telephones during the examination.
- NO conversing or any other form of communication among candidates is permitted once you enter the examination area.
- Please be advised that children, cell phones, pagers, cameras, programmable electronic devices and recording devices of any kind are NOT allowed to enter PSI testing centers. Additionally, NO personal items are to enter the testing centers. PSI will not be responsible for any personal items, and suggests that you leave such items in another safe place, of your choosing.
- 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.
- No smoking, eating, or drinking will be allowed at the examination site.
- You may not exit the building during the examination.
- Copying or communicating examination content is a violation of PSI security policy and the State Law. Either one may result in the disqualification of examination results and may lead to legal action.

TAKING THE EXAMINATION BY COMPUTER

Taking the PSI examination by computer is simple. You do not need any computer experience or typing skills. You will use fewer keys than you use on a touch-tone telephone. All response keys are colored and have prominent characters. An illustration of the special keyboard is shown here. You may also use the mouse.

IDENTIFICATION SCREEN



You will be directed to a semiprivate 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 this 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.

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.

EXAMINATION QUESTION EXAMPLE

During the examination, you should press 1, 2, 3, or 4 to select your answer or press "MARK" to mark it for later review. You should then press "ENTER" to record your answer and move on to the next question. A sample question display follows.



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 the department, will be consistently 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 using the comments key on the keyboard. These comments will be analyzed by PSI examination development staff. PSI does not respond to individuals regarding these comments, all substantive comments are reviewed. This is the only review of examination materials available to candidates.

SCORE REPORTING

You must score 70% to pass. 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 unofficial score report will be printed at the examination site.

DUPLICATE SCORE REPORTS

You can write to PSI to request a duplicate of your score report. The fee for a duplicate score report is \$10. *Money order or cashier's check ONLY.*

TIPS FOR PREPARING FOR YOUR CERTIFICATION EXAMINATION

The following suggestions will help you prepare for your examination.

- Planned preparation increases your likelihood of passing.
- Start with a current copy of this Candidate Information Bulletin and use the examination content outline as the basis of your study.
- Read study materials that cover all the topics in the content outline.
- Take notes on what you study. Putting information in writing helps you commit it to memory and it is also an excellent business practice. Underline or highlight key ideas that will help with a later review.

- Discuss new terms or concepts as frequently as you can with colleagues. This will test your understanding and reinforce ideas.
- Your studies will be most effective if you study frequently, for periods of about 45 to 60 minutes. Concentration tends to wander when you study for longer periods of time.

PRETEST ITEMS

In addition to the number of questions per examination, 10 "pretest" questions may be administered to candidates during the examinations. These questions will not be scored and the time taken to answer them will not count against examination time. The administration of such non-scored experimental questions is an essential step in developing future licensing examinations.

EXAMINATIONS

All examinations are open book. It is okay to use original copyrighted material, and a silent, nonprinting, nonprogrammable calculator. Copies of the Washington state RCW/WAC downloaded from the internet are acceptable, provided they are in a binder. Copyrighted material may have highlighting, underlining, and index tabs (permanent or temporary) prior to entering the examination area. Post-It, sticky, repositionable and other types of notes that are removable are **not** permitted. References may **not** be written in. Two sheets of paper and a pencil will be collected at end of the examination

- All examinations require that you have a working grasp of the National Electrical Code, Washington laws and rules, and a basic level of electrical theory knowledge. All law, rule and code questions are based on the current version of the Revised Code of Washington (RCW) 19.28 and Washington Administrative Code (WAC) 296-46B, and the 2008 National Electrical Code.
- It is recommended that you have appropriate classroom education to be successful in passing the exam. On-the-job experience is typically not enough to ensure a passing grade.
- You should be familiar with general copyrighted electrical or telecommunication publications, as well as general math and electrical theory computation. All theory questions are general in nature and are based on information from general copyrighted electrical or telecommunication publications. Theory questions may include: general math and electrical theory computation questions.
- Carefully check what you are expected to know for your exam. Several specialties are allowed to perform the work of other specialties. The exams will reflect this expectation. In other words, you may be tested on multiple specialties and, if you are not prepared, the questions may be beyond your preparation. For example, 07C Nonresidential Restricted Maintenance Electricians are allowed to perform all the work of 07B Residential Maintenance Electricians; consequently, they must also be knowledgeable of work done as a 07B Residential Maintenance Electrician.



Examination Content Outlines								
01-General								
Type of Certificate	Master Electrician			Administrator			Electrician	
Examination Section	NEC & Theory	WA Codes	Major Load Calculations	NEC & Theory	WA Codes	Major Load Calculations	NEC & Theory	WA Codes
Time Allowed per Section (hours)	4	1	2	4	1	2	3	1
Knowledge Area								
NEC 90 - Introduction	2			2			1	
NEC 100-110 - General Requirements	4			3			3	
NEC 200-225, 280-285 - Wiring & Protection	3			3			3	
NEC 230 - Services	5			5			4	
NEC 240 - Overcurrent Protection	7			6			6	
NEC 250 - Grounding & Bonding	7			6			6	
NEC 300-398 - Wiring Methods	11			10			10	
NEC 400-427, 455-480 - Electrical Equipment	4			3			3	
NEC 430-450 - Motors, HVAC, Generators & Transformers	5			4			3	
NEC 490 - Equipment > 600 volts	1			1			1	
NEC 500-516 - Hazardous Locations	4			3			2	
NEC 517-590 - Special Occupancies	5			4			4	
NEC 600-695 - Special Equipment	4			3			3	
NEC 700-702 - Emergency & Standby Systems	3			2			2	
NEC 705-780 - Special Conditions	2			1			1	
NEC 800-830 - Communication Systems	1			1			1	
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations			10			10		
General Trade Knowledge & Theory	12			8			7	
Total Questions	80	20	10	65	17	10	60	17
Note: The number of questions in any individual knowledge area is approximate.								

02-Residential								
Type of Certificate	Master Electrician			Administrator			Electrician	
Examination Section	NEC & Theory	WA Codes	Major Load Calculations	NEC & Theory	WA Codes	Major Load Calculations	NEC & Theory	WA Codes
Time Allowed per Section (hours)	3	1	2	3	1	2	2	1
Knowledge Area								
NEC 90 - Introduction	1			1			1	
NEC 100-110 - General Requirements	3			2			2	
NEC 200-225, 280-285 - Wiring & Protection	3			2			2	
NEC 230 - Services	4			4			3	
NEC 240 - Overcurrent Protection	6			5			5	
NEC 250 - Grounding & Bonding	6			5			5	
NEC 300-398 - Wiring Methods	9			9			7	
NEC 400-427, 455-480 - Electrical Equipment	3			1			1	
NEC 430-450 - Motors, HVAC, Generators & Transformers	3			3			3	
NEC 490 - Equipment > 600 volts								
NEC 500-516 - Hazardous Locations	1			1			1	
NEC 517-590 - Special Occupancies	2			1			1	
NEC 600-695 - Special Equipment	4			2			1	
NEC 700-702 - Emergency & Standby Systems	2			1			1	
NEC 705-780 - Special Conditions	2			1			1	
NEC 800-830 - Communication Systems	1							
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations			10			10		
General Trade Knowledge & Theory	10			6			6	
Total Questions	60	20	10	44	17	10	40	17
Note: The number of questions in any individual knowledge area is approximate.								

03-Pump & Irrigation								
Type of Certificate	Master Electrician			Administrator			Electrician	
	Examination Section	NEC & Theory	WA Codes	NEC & Theory	WA Codes	NEC & Theory	WA Codes	
Time Allowed per Section (hours)	3	1		2	1		2	1
Knowledge Area								
NEC 90 - Introduction	1			1			1	
NEC 100-110 - General Requirements	2			1			1	
NEC 200-225, 280-285 - Wiring & Protection	3			3			3	
NEC 230 - Services	4			2			2	
NEC 240 - Overcurrent Protection	4			3			3	
NEC 250 - Grounding & Bonding	5			4			4	
NEC 300-398 - Wiring Methods	7			7			5	
NEC 400-427, 455-480 - Electrical Equipment	2			2			2	
NEC 430-450 - Motors, HVAC, Generators & Transformers	6			5			4	
NEC 490 - Equipment > 600 volts	2			1			1	
NEC 500-516 - Hazardous Locations	1			1			1	
NEC 517-590 - Special Occupancies								
NEC 600-695 - Special Equipment	1			1			1	
NEC 700-702 - Emergency & Standby Systems								
NEC 705-780 - Special Conditions	2			2			2	
NEC 800-830 - Communication Systems								
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations								
General Trade Knowledge & Theory	10			7			4	
Total Questions	50	20		40	17		34	17
Note: The number of questions in any individual knowledge area is approximate.								

03A-Domestic Pump								
Type of Certificate	Master Electrician			Administrator			Electrician	
Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	3	1		2	1		1	1
Knowledge Area								
NEC 90 - Introduction	1			1				
NEC 100-110 - General Requirements	1			1			1	
NEC 200-225, 280-285 - Wiring & Protection	2			2			2	
NEC 230 - Services								
NEC 240 - Overcurrent Protection	4			3			2	
NEC 250 - Grounding & Bonding	4			3			2	
NEC 300-398 - Wiring Methods	6			6			3	
NEC 400-427, 455-480 - Electrical Equipment	2			1			1	
NEC 430-450 - Motors, HVAC, Generators & Transformers	5			5			3	
NEC 490 - Equipment > 600 volts								
NEC 500-516 - Hazardous Locations	1			1			1	
NEC 517-590 - Special Occupancies								
NEC 600-695 - Special Equipment								
NEC 700-702 - Emergency & Standby Systems								
NEC 705-780 - Special Conditions	1			1			1	
NEC 800-830 - Communication Systems								
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations								
General Trade Knowledge & Theory	7			6			4	
Total Questions	34	20		30	17		20	17
Note: The number of questions in any individual knowledge area is approximate.								

04-Signs									
Type of Certificate	Master Electrician			Administrator			Electrician		
	Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	3	1			3	1		2	1
Knowledge Area									
NEC 90 - Introduction	1				1			1	
NEC 100-110 - General Requirements	2				1			1	
NEC 200-225, 280-285 - Wiring & Protection	1				1			1	
NEC 230 - Services	3				3			3	
NEC 240 - Overcurrent Protection	4				4			3	
NEC 250 - Grounding & Bonding	4				4			4	
NEC 300-398 - Wiring Methods	10				8			5	
NEC 400-427, 455-480 - Electrical Equipment	2				2			2	
NEC 430-450 - Motors, HVAC, Generators & Transformers	2				2			2	
NEC 490 - Equipment > 600 volts									
NEC 500-516 - Hazardous Locations									
NEC 517-590 - Special Occupancies									
NEC 600-695 - Special Equipment	6				4			4	
NEC 700-702 - Emergency & Standby Systems									
NEC 705-780 - Special Conditions									
NEC 800-830 - Communication Systems									
Washington Laws & Rules (RCW & WAC)		20				17			17
Major Load Calculations									
General Trade Knowledge & Theory	5				4			4	
Total Questions	40	20			34	17		30	17
Note: The number of questions in any individual knowledge area is approximate.									

06-Limited Energy									
Type of Certificate	Master Electrician			Administrator			Electrician		
	Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	2	1			2	1		2	1
Knowledge Area									
NEC 90 - Introduction	2				1			1	
NEC 100-110 - General Requirements	3				2			2	
NEC 200-225, 280-285 - Wiring & Protection	1				1			1	
NEC 230 - Services									
NEC 240 - Overcurrent Protection	3				3			3	
NEC 250 - Grounding & Bonding	3				3			3	
NEC 300-398 - Wiring Methods	8				8			5	
NEC 400-427, 455-480 - Electrical Equipment	3				3			3	
NEC 430-450 - Motors, HVAC, Generators & Transformers	2				2			1	
NEC 490 - Equipment > 600 volts									
NEC 500-516 - Hazardous Locations	3				3			2	
NEC 517-590 - Special Occupancies									
NEC 600-695 - Special Equipment	3				3			1	
NEC 700-702 - Emergency & Standby Systems									
NEC 705-780 - Special Conditions	6				6			6	
NEC 800-830 - Communication Systems	3				3			3	
Washington Laws & Rules (RCW & WAC)		20				17			17
Major Load Calculations									
General Trade Knowledge & Theory	10				6			3	
Total Questions	50	20			44	17		34	17
Note: The number of questions in any individual knowledge area is approximate.									

06A-HVAC/R								
Type of Certificate	Master Electrician			Administrator			Electrician	
Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	3	1		2	1		2	1
Knowledge Area								
NEC 90 - Introduction	2			1			1	
NEC 100-110 - General Requirements	3			2			2	
NEC 200-225, 280-285 - Wiring & Protection	2			2			2	
NEC 230 - Services								
NEC 240 - Overcurrent Protection	5			4			4	
NEC 250 - Grounding & Bonding	5			4			4	
NEC 300-398 - Wiring Methods	6			5			4	
NEC 400-427, 455-480 - Electrical Equipment	4			4			4	
NEC 430-450 - Motors, HVAC, Generators & Transformers	8			7			4	
NEC 490 - Equipment > 600 volts	1			1			1	
NEC 500-516 - Hazardous Locations	1			1			1	
NEC 517-590 - Special Occupancies								
NEC 600-695 - Special Equipment	1			1			1	
NEC 700-702 - Emergency & Standby Systems								
NEC 705-780 - Special Conditions	2			2			2	
NEC 800-830 - Communication Systems								
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations								
General Trade Knowledge & Theory	10			6			4	
Total Questions	50	20		40	17		34	17
Note: The number of questions in any individual knowledge area is approximate.								

06B-HVAC/R Restricted								
Type of Certificate	Master Electrician			Administrator			Electrician	
Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	2	1		2	1		1	1
Knowledge Area								
NEC 90 - Introduction	1			1			1	
NEC 100-110 - General Requirements	3			3			1	
NEC 200-225, 280-285 - Wiring & Protection								
NEC 230 - Services								
NEC 240 - Overcurrent Protection	4			4			2	
NEC 250 - Grounding & Bonding	4			4			2	
NEC 300-398 - Wiring Methods	5			4			3	
NEC 400-427, 455-480 - Electrical Equipment	2			2			1	
NEC 430-450 - Motors, HVAC, Generators & Transformers	5			4			3	
NEC 490 - Equipment > 600 volts								
NEC 500-516 - Hazardous Locations	1			1			1	
NEC 517-590 - Special Occupancies								
NEC 600-695 - Special Equipment								
NEC 700-702 - Emergency & Standby Systems								
NEC 705-780 - Special Conditions	3			2			2	
NEC 800-830 - Communication Systems								
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations								
General Trade Knowledge & Theory	6			5			4	
Total Questions	34	20		30	17		20	17
Note: The number of questions in any individual knowledge area is approximate.								

07-Nonresidential Maintenance									
Type of Certificate	Master Electrician			Administrator			Electrician		
	Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	3	1			3	1		2	1
Knowledge Area									
NEC 90 - Introduction	1				1			1	
NEC 100-110 - General Requirements	3				2			2	
NEC 200-225, 280-285 - Wiring & Protection	2				1			2	
NEC 230 - Services	2				2			3	
NEC 240 - Overcurrent Protection	4				4			3	
NEC 250 - Grounding & Bonding	4				4			4	
NEC 300-398 - Wiring Methods	8				6			5	
NEC 400-427, 455-480 - Electrical Equipment	4				4			2	
NEC 430-450 - Motors, HVAC, Generators & Transformers	4				4			2	
NEC 490 - Equipment > 600 volts	2				2			2	
NEC 500-516 - Hazardous Locations	3				3			1	
NEC 517-590 - Special Occupancies	2				2			1	
NEC 600-695 - Special Equipment	3				3			3	
NEC 700-702 - Emergency & Standby Systems	3				3			1	
NEC 705-780 - Special Conditions	2				2			2	
NEC 800-830 - Communication Systems	1				1			1	
Washington Laws & Rules (RCW & WAC)		20				17			17
Major Load Calculations									
General Trade Knowledge & Theory	6				6			5	
Total Questions	54	20			50	17		40	17
Note: The number of questions in any individual knowledge area is approximate.									

07A-Nonresidential Lighting Maintenance & Lighting Retrofit								
Type of Certificate	Master Electrician			Administrator			Electrician	
	Examination Section	NEC & Theory	WA Codes	NEC & Theory	WA Codes	NEC & Theory	WA Codes	
Time Allowed per Section (hours)	1	1		1	1		1	1
Knowledge Area								
NEC 90 - Introduction	2			1			1	
NEC 100-110 - General Requirements	2			1			1	
NEC 200-225, 280-285 - Wiring & Protection								
NEC 230 - Services								
NEC 240 - Overcurrent Protection	2			2			2	
NEC 250 - Grounding & Bonding	3			3			3	
NEC 300-398 - Wiring Methods								
NEC 400-427, 455-480 - Electrical Equipment	5			6			6	
NEC 430-450 - Motors, HVAC, Generators & Transformers								
NEC 490 - Equipment > 600 volts								
NEC 500-516 - Hazardous Locations	1			1			1	
NEC 517-590 - Special Occupancies								
NEC 600-695 - Special Equipment								
NEC 700-702 - Emergency & Standby Systems								
NEC 705-780 - Special Conditions								
NEC 800-830 - Communication Systems								
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations								
General Trade Knowledge & Theory	5			3			3	
Total Questions	20	20		17	17		17	17
Note: The number of questions in any individual knowledge area is approximate.								

07B-Residential Maintenance									
Type of Certificate	Master Electrician			Administrator			Electrician		
	Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	2	1			2	1		1	1
Knowledge Area									
NEC 90 - Introduction	2				1			1	
NEC 100-110 - General Requirements	3				2			1	
NEC 200-225, 280-285 - Wiring & Protection	2				2			2	
NEC 230 - Services									
NEC 240 - Overcurrent Protection	3				3			2	
NEC 250 - Grounding & Bonding	4				3			2	
NEC 300-398 - Wiring Methods	3				3			2	
NEC 400-427, 455-480 - Electrical Equipment	3				3			2	
NEC 430-450 - Motors, HVAC, Generators & Transformers	3				3			1	
NEC 490 - Equipment > 600 volts									
NEC 500-516 - Hazardous Locations									
NEC 517-590 - Special Occupancies									
NEC 600-695 - Special Equipment	3				2			2	
NEC 700-702 - Emergency & Standby Systems	2				2			2	
NEC 705-780 - Special Conditions	1				1			0	
NEC 800-830 - Communication Systems									
Washington Laws & Rules (RCW & WAC)		20				17			17
Major Load Calculations									
General Trade Knowledge & Theory	5				5			3	
Total Questions	34	20			30	17		20	17
Note: The number of questions in any individual knowledge area is approximate.									

07C-Nonresidential Maintenance - restricted								
Type of Certificate	Master Electrician			Administrator			Electrician	
	Examination Section	NEC & Theory	WA Codes	NEC & Theory	WA Codes	NEC & Theory	WA Codes	
Time Allowed per Section (hours)	2	1		2	1		2	1
Knowledge Area								
NEC 90 - Introduction	2			1			1	
NEC 100-110 - General Requirements	2			2			2	
NEC 200-225, 280-285 - Wiring & Protection	1			1			2	
NEC 230 - Services								
NEC 240 - Overcurrent Protection	4			3			3	
NEC 250 - Grounding & Bonding	4			3			2	
NEC 300-398 - Wiring Methods	3			2			2	
NEC 400-427, 455-480 - Electrical Equipment	3			2			2	
NEC 430-450 - Motors, HVAC, Generators & Transformers	4			3			1	
NEC 490 - Equipment > 600 volts								
NEC 500-516 - Hazardous Locations	1			1			1	
NEC 517-590 - Special Occupancies	3			3			1	
NEC 600-695 - Special Equipment	2			1			2	
NEC 700-702 - Emergency & Standby Systems	1			1			2	
NEC 705-780 - Special Conditions	2			1			0	
NEC 800-830 - Communication Systems	1			1				
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations								
General Trade Knowledge & Theory	7			5			3	
Total Questions	40	20		30	17		24	17
Note: The number of questions in any individual knowledge area is approximate.								

07D-Appliance Repair								
Type of Certificate	Master Electrician			Administrator			Electrician	
Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	2	1		2	1		1	1
Knowledge Area								
NEC 90 - Introduction	2			1			1	
NEC 100-110 - General Requirements	3			2			2	
NEC 200-225, 280-285 - Wiring & Protection								
NEC 230 - Services								
NEC 240 - Overcurrent Protection	3			3			2	
NEC 250 - Grounding & Bonding	3			3			2	
NEC 300-398 - Wiring Methods	2			2			2	
NEC 400-427, 455-480 - Electrical Equipment	6			5			4	
NEC 430-450 - Motors, HVAC, Generators & Transformers	2			2			2	
NEC 490 - Equipment > 600 volts								
NEC 500-516 - Hazardous Locations								
NEC 517-590 - Special Occupancies								
NEC 600-695 - Special Equipment								
NEC 700-702 - Emergency & Standby Systems								
NEC 705-780 - Special Conditions	2			2			1	
NEC 800-830 - Communication Systems								
Washington Laws & Rules (RCW & WAC)		20			17			17
Major Load Calculations								
General Trade Knowledge & Theory	7			4			4	
Total Questions	30	20		24	17		20	17
Note: The number of questions in any individual knowledge area is approximate.								

07E-Equipment Repair									
Type of Certificate	Master Electrician			Administrator			Electrician		
	Examination Section	NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)	2	1			2	1		1	1
Knowledge Area									
NEC 90 - Introduction	1				1			1	
NEC 100-110 - General Requirements	2				1			1	
NEC 200-225, 280-285 - Wiring & Protection	1				1			1	
NEC 230 - Services									
NEC 240 - Overcurrent Protection	4				4			4	
NEC 250 - Grounding & Bonding	4				4			4	
NEC 300-398 - Wiring Methods	6				5			5	
NEC 400-427, 455-480 - Electrical Equipment	2				2			2	
NEC 430-450 - Motors, HVAC, Generators & Transformers	4				4			4	
NEC 490 - Equipment > 600 volts									
NEC 500-516 - Hazardous Locations	1				1			1	
NEC 517-590 - Special Occupancies	1				1			1	
NEC 600-695 - Special Equipment									
NEC 700-702 - Emergency & Standby Systems									
NEC 705-780 - Special Conditions	2				1			1	
NEC 800-830 - Communication Systems									
Washington Laws & Rules (RCW & WAC)		20				17			17
Major Load Calculations									
General Trade Knowledge & Theory	6				5			5	
Total Questions	34	20			30	17		30	17
Note: The number of questions in any individual knowledge area is approximate.									

10-Door, Gate & Similar Systems									
Type of Certificate	Examination Section	Master Electrician			Administrator			Electrician	
		NEC & Theory	WA Codes		NEC & Theory	WA Codes		NEC & Theory	WA Codes
Time Allowed per Section (hours)		2	1		2	1		2	1
Knowledge Area									
NEC 90 - Introduction		1			1			1	
NEC 100-110 - General Requirements		2			1			1	
NEC 200-225, 280-285 - Wiring & Protection		1			1			1	
NEC 230 - Services									
NEC 240 - Overcurrent Protection		4			4			4	
NEC 250 - Grounding & Bonding		4			4			4	
NEC 300-398 - Wiring Methods		6			5			5	
NEC 400-427, 455-480 - Electrical Equipment		2			2			2	
NEC 430-450 - Motors, HVAC, Generators & Transformers		4			4			4	
NEC 490 - Equipment > 600 volts									
NEC 500-516 - Hazardous Locations		1			1			1	
NEC 517-590 - Special Occupancies		1			1			1	
NEC 600-695 - Special Equipment									
NEC 700-702 - Emergency & Standby Systems									
NEC 705-780 - Special Conditions		2			1			1	
NEC 800-830 - Communication Systems									
Washington Laws & Rules (RCW & WAC)			20			17			17
Major Load Calculations									
General Trade Knowledge & Theory		6			5			5	
Total Questions		34	20		30	17		30	17
Note: The number of questions in any individual knowledge area is approximate.									

09-Telecommunications								
Type of Certificate				Administrator				
Examination Section				NEC & Theory	WA Codes			
Time Allowed per Section (hours)				2	1			
Knowledge Area								
NEC 90 - Introduction				2				
NEC 100-110 - General Requirements				3				
NEC 200-225, 280-285 - Wiring & Protection								
NEC 230 - Services								
NEC 240 - Overcurrent Protection								
NEC 250 - Grounding & Bonding				3				
NEC 300-398 - Wiring Methods				3				
NEC 400-427, 455-480 - Electrical Equipment								
NEC 430-450 - Motors, HVAC, Generators & Transformers								
NEC 490 - Equipment > 600 volts								
NEC 500-516 - Hazardous Locations				1				
NEC 517-590 - Special Occupancies								
NEC 600-695 - Special Equipment								
NEC 700-702 - Emergency & Standby Systems								
NEC 705-780 - Special Conditions				4				
NEC 800-830 - Communication Systems				8				
Washington Laws & Rules (RCW & WAC)					17			
Major Load Calculations								
General Trade Knowledge & Theory				6				
Total Questions				30	17			
Note: The number of questions in any individual knowledge area is approximate.								



Americans with Disabilities Act (ADA) FORM

All examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990. Applicants with disabilities or those who would otherwise have difficulty taking the examination may request special examination arrangements.

Candidates who wish to request special arrangements because of a disability should fax this form and supporting documentation to PSI at (702) 932-2666.

Requirements for special arrangement requests

You are required to submit documentation from the medical authority or learning institution that rendered a diagnosis. Verification must be submitted to PSI on the letterhead stationary of the authority or specialist and include the following:

- Description of the disability and limitations related to testing
- Recommended accommodation/modification
- Name, title and telephone number of the medical authority or specialist
- Original signature of the medical authority or specialist

Date _____

Legal Name: _____
Last Name First Name

Address: _____
Street City, State, Zip Code

Telephone : (____) _____ - _____ (____) _____ - _____
Home Work

Email Address: _____

Check any special arrangements you require (requests must concur with documentation submitted):

- Reader (as accommodation for visual impairment or learning disability)
- Extended Time (Additional time requested: _____)
- Large-Print written examination
- Other _____
- Out-of-State Testing Request (this request does not require additional documentation) _____

Site requested: _____

- Complete and fax this form, along with supporting documentation, to (702) 932-2666.
- After 4 business days, please call 800-733-9267 x6750 and leave a voice message.
- PSI Special Accommodations will call you back to schedule the examination within 48 hours.

DO NOT SCHEDULE YOUR EXAMINATION UNTIL THIS DOCUMENTATION HAS BEEN RECEIVED AND PROCESSED BY PSI SPECIAL ACCOMMODATIONS.



PSI Services, LLC
3210 E Tropicana
Las Vegas, NV 89121

FIRST CLASS MAIL

