
ENGROSSED HOUSE BILL 1590

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By Representatives Reykdal, Haler, Dunshee, Ryu, Van De Wege, Ormsby, Fitzgibbon, Riccelli, Blake, Tarleton, McBride, Wylie, and Goodman

Read first time 01/23/15. Referred to Committee on Labor.

1 AN ACT Relating to requiring completion of an apprenticeship
2 program to receive a journey level or residential specialty
3 electrician certificate of competency; amending RCW 19.28.161,
4 19.28.191, 19.28.205, and 19.28.191; adding a new section to chapter
5 19.28 RCW; providing an effective date; and providing an expiration
6 date.

7 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

8 **Sec. 1.** RCW 19.28.161 and 2013 c 23 s 29 are each amended to
9 read as follows:

10 (1) No person may engage in the electrical construction trade
11 without having a valid master journey level electrician certificate
12 of competency, journey level electrician certificate of competency,
13 master specialty electrician certificate of competency, or specialty
14 electrician certificate of competency issued by the department in
15 accordance with this chapter. Electrician certificate of competency
16 specialties include, but are not limited to: Residential, pump and
17 irrigation, limited energy system, signs, nonresidential maintenance,
18 restricted nonresidential maintenance, and appliance repair. (~~Until~~
19 ~~July 1, 2007, the department of labor and industries shall issue a~~
20 ~~written warning to any specialty pump and irrigation or domestic pump~~
21 ~~electrician not having a valid electrician certification. The warning~~

1 ~~will state that the individual must apply for an electrical training~~
2 ~~certificate or be qualified for and apply for electrician~~
3 ~~certification under the requirements in RCW 19.28.191(1)(g) within~~
4 ~~thirty calendar days of the warning. Only one warning will be issued~~
5 ~~to any individual. If the individual fails to comply with this~~
6 ~~section, the department shall issue a penalty as defined in RCW~~
7 ~~19.28.271 to the individual.))~~

8 (2)(a) A person who is ~~((indentured))~~: (i) Registered in an
9 apprenticeship program approved under chapter 49.04 RCW for the
10 electrical construction trade ~~((or who is))~~; (ii) learning the
11 electrical construction trade while working in a specialty other than
12 residential; or (iii) learning the electrical construction trade in a
13 program described in RCW 19.28.191(1) (f) or (g) for a journey level
14 or residential specialty certificate of competency may work in the
15 electrical construction trade if supervised by a certified master
16 journey level electrician, journey level electrician, master
17 specialty electrician in that electrician's specialty, or specialty
18 electrician in that electrician's specialty.

19 (b) All apprentices and individuals learning the electrical
20 construction trade shall obtain an electrical training certificate
21 from the department. The certificate shall authorize the holder to
22 learn the electrical construction trade while under the direct
23 supervision of a master journey level electrician, journey level
24 electrician, master specialty electrician working in that
25 electrician's specialty, or specialty electrician working in that
26 electrician's specialty. The certificate may include a photograph of
27 the holder. The holder of the electrical training certificate shall
28 renew the certificate biennially. At the time of renewal, the holder
29 shall provide the department with an accurate list of the holder's
30 employers in the electrical construction industry for the previous
31 biennial period and the number of hours worked for each employer. The
32 holder shall also provide proof of ~~((sixteen))~~ forty-eight hours of:
33 Approved classroom training covering this chapter, the national
34 electrical code, or electrical theory; or equivalent classroom
35 training taken as part of an approved apprenticeship program under
36 chapter 49.04 RCW or an approved electrical training program under
37 RCW 19.28.191(1)~~((+h))~~ (f). ~~((The number of hours of approved~~
38 ~~classroom training required for certificate renewal shall increase as~~
39 ~~follows: (a) Beginning on July 1, 2011, the holder of an electrical~~
40 ~~training certificate shall provide the department with proof of~~

1 ~~thirty two hours of approved classroom training; and (b) beginning on~~
2 ~~July 1, 2013, the holder of an electrical training certificate shall~~
3 ~~provide the department with proof of)~~ forty-eight hours of approved
4 classroom training. ((~~At the request of the chairs of the house of~~
5 ~~representatives commerce and labor committee and the senate labor,~~
6 ~~commerce and consumer protection committee, or their successor~~
7 ~~committees, the department of labor and industries shall provide~~
8 ~~information on the implementation of the new classroom training~~
9 ~~requirements for electrical trainees to both committees by December~~
10 ~~1, 2012.~~)) A biennial fee shall be charged for the issuance or
11 renewal of the certificate. The department shall set the fee by rule.
12 The fee shall cover but not exceed the cost of administering and
13 enforcing the trainee certification and supervision requirements of
14 this chapter.

15 (c)(i) Apprentices and individuals learning the electrical
16 construction trade shall have their electrical training certificates
17 in their possession at all times that they are performing electrical
18 work. They shall show their certificates to an authorized
19 representative of the department at the representative's request.

20 (ii) Apprentices and individuals learning the electrical
21 construction trade must also have in their possession proof of
22 apprenticeship or training program registration. They shall show
23 their apprenticeship or training program registration documents to an
24 authorized representative of the department at the representative's
25 request. This subsection (2)(c)(ii) does not apply to individuals
26 working in a specialty other than residential.

27 (3) Any person who has been issued an electrical training
28 certificate under this chapter may work: (a) If that person is under
29 supervision, and (b) unless working in a specialty other than
30 residential, is: (i) Registered in an approved journey level or
31 residential specialty apprenticeship program, as appropriate; or (ii)
32 is learning the electrical construction trade in a program described
33 in RCW 19.28.191(1) (f) or (g) for a journey level or residential
34 specialty certificate of competency. Supervision shall consist of a
35 person being on the same job site and under the control of either a
36 certified master journey level electrician, journey level
37 electrician, master specialty electrician working in that
38 electrician's specialty, or specialty electrician working in that
39 electrician's specialty. Either a certified master journey level
40 electrician, journey level electrician, master specialty electrician

1 working in that electrician's specialty, or specialty electrician
2 working in that electrician's specialty shall be on the same job site
3 as the noncertified individual for a minimum of seventy-five percent
4 of each working day unless otherwise provided in this chapter.

5 (4) The ratio of noncertified individuals to certified master
6 journey level electricians, journey level electricians, master
7 specialty electricians, or specialty electricians on any one job site
8 is as follows:

9 (a) When working as a specialty electrician, not more than two
10 noncertified individuals for every certified master specialty
11 electrician working in that electrician's specialty, specialty
12 electrician working in that electrician's specialty, master journey
13 level electrician, or journey level electrician, except that the
14 ratio requirements are one certified master specialty electrician
15 working in that electrician's specialty, specialty electrician
16 working in that electrician's specialty, master journey level
17 electrician, or journey level electrician working as a specialty
18 electrician to no more than four students enrolled in and working as
19 part of an electrical construction program at public community or
20 technical colleges, or not-for-profit nationally accredited trade or
21 technical schools licensed by the workforce training and education
22 coordinating board under chapter 28C.10 RCW. In meeting the ratio
23 requirements for students enrolled in an electrical construction
24 program at a trade school, a trade school may receive input and
25 advice from the electrical board; and

26 (b) When working as a journey level electrician, not more than
27 one noncertified individual for every certified master journey level
28 electrician or journey level electrician, except that the ratio
29 requirements shall be one certified master journey level electrician
30 or journey level electrician to no more than four students enrolled
31 in and working as part of an electrical construction program at
32 public community or technical colleges, or not-for-profit nationally
33 accredited trade or technical schools licensed by the workforce
34 training and education coordinating board under chapter 28C.10 RCW.
35 In meeting the ratio requirements for students enrolled in an
36 electrical construction program at a trade school, a trade school may
37 receive input and advice from the electrical board.

38 An individual who has a current training certificate and who has
39 successfully completed or is currently enrolled in an approved
40 apprenticeship program or in an electrical construction program at

1 public community or technical colleges, or not-for-profit nationally
2 accredited technical or trade schools licensed by the workforce
3 training and education coordinating board under chapter 28C.10 RCW,
4 may work without direct on-site supervision during the last six
5 months of meeting the practical experience requirements of this
6 chapter.

7 (5) For the residential (as specified in WAC 296-46B-920(2)(a)),
8 pump and irrigation (as specified in WAC 296-46B-920(2)(b)), sign (as
9 specified in WAC 296-46B-920(2)(d)), limited energy (as specified in
10 WAC 296-46B-920(2)(e)), nonresidential maintenance (as specified in
11 WAC 296-46B-920(2)(g)), restricted nonresidential maintenance as
12 determined by the department in rule, or other new nonresidential
13 specialties, not including appliance repair, as determined by the
14 department in rule, either a master journey level electrician,
15 journey level electrician, master specialty electrician working in
16 that electrician's specialty, or specialty electrician working in
17 that electrician's specialty must be on the same job site as the
18 noncertified individual for a minimum of seventy-five percent of each
19 working day. Other specialties must meet the requirements specified
20 in RCW 19.28.191(1)(~~(g)~~) (d)(ii). When the ratio of certified
21 electricians to noncertified individuals on a job site is one
22 certified electrician to three or four noncertified individuals, the
23 certified electrician must:

24 (a) Directly supervise and instruct the noncertified individuals
25 and the certified electrician may not directly make or engage in an
26 electrical installation; and

27 (b) Be on the same job site as the noncertified individual for a
28 minimum of one hundred percent of each working day.

29 (6) The electrical contractor shall accurately verify and attest
30 to the electrical trainee hours worked by electrical trainees on
31 behalf of the electrical contractor.

32 **Sec. 2.** RCW 19.28.191 and 2014 c 156 s 2 are each amended to
33 read as follows:

34 (1) Upon receipt of the application, the department shall review
35 the application and determine whether the applicant is eligible to
36 take an examination for the master journey level electrician, journey
37 level electrician, master specialty electrician, or specialty
38 electrician certificate of competency.

1 ~~(a) ((Before July 1, 2005, an applicant who possesses a valid~~
2 ~~journey level electrician certificate of competency in effect for the~~
3 ~~previous four years and a valid general administrator's certificate~~
4 ~~may apply for a master journey level electrician certificate of~~
5 ~~competency without examination.~~

6 ~~(b) Before July 1, 2005, an applicant who possesses a valid~~
7 ~~specialty electrician certificate of competency, in the specialty~~
8 ~~applied for, for the previous two years and a valid specialty~~
9 ~~administrator's certificate, in the specialty applied for, may apply~~
10 ~~for a master specialty electrician certificate of competency without~~
11 ~~examination.~~

12 ~~(c) Before December 1, 2003, the following persons may obtain an~~
13 ~~equipment repair specialty electrician certificate of competency~~
14 ~~without examination:~~

15 ~~(i) A person who has successfully completed an apprenticeship~~
16 ~~program approved under chapter 49.04 RCW for the machinist trade; and~~

17 ~~(ii) A person who provides evidence in a form prescribed by the~~
18 ~~department affirming that: (A) He or she was employed as of April 1,~~
19 ~~2003, by a factory authorized equipment dealer or service company;~~
20 ~~and (B) he or she has worked in equipment repair for a minimum of~~
21 ~~four thousand hours.~~

22 ~~(d)) To be eligible to take the examination for a master journey~~
23 ~~level electrician certificate of competency, the applicant must have~~
24 ~~possessed a valid journey level electrician certificate of competency~~
25 ~~for four years.~~

26 ~~((e)) (b) To be eligible to take the examination for a master~~
27 ~~specialty electrician certificate of competency, the applicant must~~
28 ~~have possessed a valid specialty electrician certificate of~~
29 ~~competency, in the specialty applied for, for two years.~~

30 ~~((f)) (c) To be eligible to take the examination for a journey~~
31 ~~level certificate of competency, the applicant must have((~~

32 ~~(i)) successfully completed an apprenticeship program approved~~
33 ~~under chapter 49.04 RCW for the electrical construction trade in~~
34 ~~which the applicant worked in the electrical construction trade for a~~
35 ~~minimum of eight thousand hours((, of which)). Four thousand of the~~
36 ~~hours shall be in industrial or commercial electrical installation~~
37 ~~under the supervision of a master journey level electrician or~~
38 ~~journey level electrician and not more than a total of four thousand~~
39 ~~hours in all specialties under the supervision of a master journey~~
40 ~~level electrician, journey level electrician, master specialty~~

1 electrician working in that electrician's specialty, or specialty
2 electrician working in that electrician's specialty. Specialty
3 electricians with less than a four thousand hour work experience
4 requirement cannot credit the time required to obtain that specialty
5 towards qualifying to become a journey level electrician(~~(+or~~

6 ~~(ii) Successfully completed an apprenticeship program approved~~
7 ~~under chapter 49.04 RCW for the electrical construction trade)).~~ The
8 holder of a specialty electrician certificate of competency with a
9 four thousand hour work experience requirement shall be allowed to
10 credit the work experience required to obtain that certificate
11 towards apprenticeship requirements for qualifying to take the
12 examination for a journey level electrician certificate of
13 competency.

14 ~~((g)(i))~~ (d) To be eligible to take the examination for ~~((a))~~
15 the following specialty electrician certificates of competency, the
16 applicant must have:

17 ~~((A))~~ (i) Worked in the ~~((residential (as specified in WAC~~
18 ~~296-46B-920(2)(a)),~~) pump and irrigation (as specified in WAC
19 296-46B-920(2)(b)), sign (as specified in WAC 296-46B-920(2)(d)),
20 limited energy (as specified in WAC 296-46B-920(2)(e)),
21 nonresidential maintenance (as specified in WAC 296-46B-920(2)(g)),
22 or other new nonresidential specialties as determined by the
23 department in rule under the supervision of a master journey level
24 electrician, journey level electrician, master specialty electrician
25 working in that electrician's specialty, or specialty electrician
26 working in that electrician's specialty for a minimum of four
27 thousand hours;

28 ~~((B))~~ (i) Worked in the appliance repair specialty as
29 determined by the department in rule, restricted nonresidential
30 maintenance as determined by the department in rule, the equipment
31 repair specialty as determined by the department in rule, the pump
32 and irrigation specialty other than as defined by ~~((g))~~ (d)(i)
33 ~~((A))~~ of this subsection or domestic pump specialty as determined
34 by the department in rule, or a specialty other than the designated
35 specialties in ~~((g))~~ (d)(i)~~((A))~~ of this subsection for a minimum
36 of the initial ninety days, or longer if set by rule by the
37 department. The restricted nonresidential maintenance specialty is
38 limited to a maximum of 277 volts and 20 amperes for lighting branch
39 circuits and/or a maximum of 250 volts and 60 amperes for other
40 circuits, but excludes the replacement or repair of circuit breakers.

1 The initial period must be spent under one hundred percent
2 supervision of a master journey level electrician, journey level
3 electrician, master specialty electrician working in that
4 electrician's specialty, or specialty electrician working in that
5 electrician's specialty. After this initial period, a person may take
6 the specialty examination. If the person passes the examination, the
7 person may work unsupervised for the balance of the minimum hours
8 required for certification. A person may not be certified as a
9 specialty electrician in the appliance repair specialty or in a
10 specialty other than the designated specialties in ~~((g))~~ (d)(i)
11 ~~((A))~~ of this subsection, however, until the person has worked a
12 minimum of two thousand hours in that specialty, or longer if set by
13 rule by the department ~~((f-e))~~

14 ~~((C))~~ (iii) Successfully completed an approved apprenticeship
15 program under chapter 49.04 RCW for the applicant's specialty in the
16 electrical construction trade ~~((-))~~; or

17 ~~((ii))~~ (iv) In meeting the training requirements for the pump
18 and irrigation or domestic pump specialties, the individual shall be
19 allowed to obtain the experience required by this section at the same
20 time the individual is meeting the experience required by RCW
21 18.106.040(1)(c). After meeting the training requirements provided in
22 this section, the individual may take the examination and upon
23 passing the examination, meeting additional training requirements as
24 may still be required for those seeking a pump and irrigation, or a
25 domestic pump specialty certificate as defined by rule, and paying
26 the applicable fees, the individual must be issued the appropriate
27 certificate. The department may include an examination for specialty
28 plumbing certificate defined in RCW 18.106.010(10)(c) with the
29 examination required by this section. The department, by rule and in
30 consultation with the electrical board, may establish additional
31 equivalent ways to gain the experience requirements required by this
32 subsection. Individuals who are able to provide evidence to the
33 department, prior to January 1, 2007, that they have been employed as
34 a pump installer in the pump and irrigation or domestic pump business
35 by an appropriately licensed electrical contractor, registered
36 general contractor defined by chapter 18.27 RCW, or appropriate
37 general specialty contractor defined by chapter 18.27 RCW for not
38 less than eight thousand hours in the most recent six calendar years
39 shall be issued the appropriate certificate by the department upon
40 receiving such documentation and applicable fees. The department

1 shall establish a single document for those who have received both an
2 electrical specialty certification as defined by this subsection and
3 have also met the certification requirements for the specialty
4 plumber as defined by RCW 18.106.010(10)(c), showing that the
5 individual has received both certifications. No other experience or
6 training requirements may be imposed.

7 ~~((iii) Before July 1, 2015, an applicant possessing an~~
8 ~~electrical training certificate issued by the department is eligible~~
9 ~~to apply one hour of every two hours of unsupervised~~
10 ~~telecommunications system installation work experience toward~~
11 ~~eligibility for examination for a limited energy system certificate~~
12 ~~of competency (as specified in WAC 296-46B-920(2)(e)), if:~~

13 ~~(A) The telecommunications work experience was obtained while~~
14 ~~employed by a contractor licensed under this chapter as a general~~
15 ~~electrical contractor (as specified in WAC 296-46B-920(1)) or limited~~
16 ~~energy system specialty contractor (as specified in WAC~~
17 ~~296-46B-920(2)(e)); and~~

18 ~~(B) Evidence of the telecommunications work experience is~~
19 ~~submitted in the form of an affidavit prescribed by the department.~~

20 ~~(h))~~ (e) To be eligible to take the examination for a
21 residential (as specified in WAC 296-46B-920(2)(a)) specialty
22 electrician certificate of competency, the applicant must have
23 successfully completed an approved apprenticeship program under
24 chapter 49.04 RCW for the residential specialty electrical
25 construction trade in which the applicant worked under the
26 supervision of a master journey level electrician, journey level
27 electrician, master residential specialty electrician, or residential
28 specialty electrician working for a minimum of four thousand hours.

29 (f) Any applicant for a journey level electrician certificate of
30 competency who has successfully completed a two-year program in the
31 electrical construction trade at public community or technical
32 colleges, or not-for-profit nationally accredited technical or trade
33 schools licensed by the workforce training and education coordinating
34 board under chapter 28C.10 RCW, may substitute up to two years of the
35 technical or trade school program for two years of work experience
36 under a master journey level electrician or journey level electrician
37 required under the apprenticeship program. The applicant shall obtain
38 the additional two years of work experience required in industrial or
39 commercial electrical installation prior to the beginning, or after
40 the completion, of the technical school program. Any applicant who

1 has received training in the electrical construction trade in the
2 armed service of the United States may be eligible to apply armed
3 service work experience towards qualification to complete an
4 apprenticeship and take the examination for the journey level
5 electrician certificate of competency.

6 ((+i)) (g) An applicant for a specialty electrician certificate
7 of competency who(~~(, after January 1, 2000,)~~) has successfully
8 completed a two-year program in the electrical construction trade at
9 a public community or technical college, or a not-for-profit
10 nationally accredited technical or trade school licensed by the
11 workforce training and education coordinating board under chapter
12 28C.10 RCW, may substitute up to one year of the technical or trade
13 school program for one year of work experience under a master journey
14 level electrician, journey level electrician, master specialty
15 electrician working in that electrician's specialty, or specialty
16 electrician working in that electrician's specialty. Any applicant
17 who has received training in the electrical construction trade in the
18 armed services of the United States may be eligible to apply armed
19 service work experience towards qualification to take the examination
20 for an appropriate specialty electrician certificate of competency.
21 An applicant for a residential specialty certificate of competency
22 may substitute work experience under this section only as part of an
23 apprenticeship program.

24 ((+j)) (h) The department must determine whether hours of
25 training and experience in the armed services or school program are
26 in the electrical construction trade and appropriate as a substitute
27 for hours of work experience. The department must use the following
28 criteria for evaluating the equivalence of classroom electrical
29 training programs and work in the electrical construction trade:

30 (i) A two-year electrical training program must consist of three
31 thousand or more hours.

32 (ii) In a two-year electrical training program, a minimum of two
33 thousand four hundred hours of student/instructor contact time must
34 be technical electrical instruction directly related to the scope of
35 work of the electrical specialty. Student/instructor contact time
36 includes lecture and in-school lab.

37 (iii) The department may not allow credit for a program that
38 accepts more than one thousand hours transferred from another
39 school's program.

1 (iv) Electrical specialty training school programs of less than
2 two years will have all of the above student/instructor contact time
3 hours proportionately reduced. Such programs may not apply to more
4 than fifty percent of the work experience required to attain
5 certification.

6 (v) Electrical training programs of less than two years may not
7 be credited towards qualification for journey level electrician
8 unless the training program is used to gain qualification for a four
9 thousand hour electrical specialty.

10 ~~((k))~~ (i) No other requirement for eligibility may be imposed.

11 (2) The department shall establish reasonable rules for the
12 examinations to be given applicants for certificates of competency.
13 In establishing the rules, the department shall consult with the
14 board. Upon determination that the applicant is eligible to take the
15 examination, the department shall so notify the applicant, indicating
16 the time and place for taking the examination.

17 (3) No noncertified individual may work unsupervised more than
18 one year beyond the date when the trainee would be eligible to test
19 for a certificate of competency if working on a full-time basis after
20 original application for the trainee certificate. For the purposes of
21 this section, "full-time basis" means two thousand hours.

22 **Sec. 3.** RCW 19.28.205 and 2013 c 23 s 32 are each amended to
23 read as follows:

24 (1) An applicant for a journey level certificate of competency
25 under RCW 19.28.191(1)~~((f))~~ (c) or a specialty electrician
26 certificate of competency under RCW 19.28.191(1)~~((g))~~ (d) must
27 demonstrate to the satisfaction of the department completion of in-
28 class education as follows:

29 (a) Twenty-four hours of in-class education if two thousand hours
30 or more but less than four thousand hours of work are required for
31 the certificate;

32 (b) Forty-eight hours of in-class education if four thousand or
33 more but less than six thousand hours of work are required for the
34 certificate;

35 (c) Seventy-two hours of in-class education if six thousand or
36 more but less than eight thousand hours of work are required for the
37 certificate;

38 (d) Ninety-six hours of in-class education if eight thousand or
39 more hours of work are required for the certificate.

1 (2) For purposes of this section, "in-class education" means
2 approved classroom training covering this chapter, the national
3 electric code, or electrical theory; or equivalent classroom training
4 taken as part of an approved apprenticeship program under chapter
5 49.04 RCW or an approved electrical training program under RCW
6 19.28.191(1)((+h+)) (f).

7 (3) Classroom training taken to qualify for trainee certificate
8 renewal under RCW 19.28.161 qualifies as in-class education under
9 this section.

10 NEW SECTION. **Sec. 4.** A new section is added to chapter 19.28
11 RCW to read as follows:

12 (1) The department may permit an applicant who obtained
13 experience and training equivalent to a journey level or residential
14 specialty apprenticeship program to take the examination if the
15 applicant establishes that the applicant has the equivalent training
16 and experience and demonstrates good cause for not completing the
17 required minimum hours of work under standards applicable on the
18 effective date of this section.

19 (2) This section expires July 1, 2023.

20 NEW SECTION. **Sec. 5.** Sections 1 through 4 of this act take
21 effect July 1, 2021.

22 **Sec. 6.** RCW 19.28.191 and 2014 c 156 s 2 are each amended to
23 read as follows:

24 (1) Upon receipt of the application, the department shall review
25 the application and determine whether the applicant is eligible to
26 take an examination for the master journey level electrician, journey
27 level electrician, master specialty electrician, or specialty
28 electrician certificate of competency.

29 (a) Before July 1, 2005, an applicant who possesses a valid
30 journey level electrician certificate of competency in effect for the
31 previous four years and a valid general administrator's certificate
32 may apply for a master journey level electrician certificate of
33 competency without examination.

34 (b) Before July 1, 2005, an applicant who possesses a valid
35 specialty electrician certificate of competency, in the specialty
36 applied for, for the previous two years and a valid specialty
37 administrator's certificate, in the specialty applied for, may apply

1 for a master specialty electrician certificate of competency without
2 examination.

3 (c) Before December 1, 2003, the following persons may obtain an
4 equipment repair specialty electrician certificate of competency
5 without examination:

6 (i) A person who has successfully completed an apprenticeship
7 program approved under chapter 49.04 RCW for the machinist trade; and

8 (ii) A person who provides evidence in a form prescribed by the
9 department affirming that: (A) He or she was employed as of April 1,
10 2003, by a factory-authorized equipment dealer or service company;
11 and (B) he or she has worked in equipment repair for a minimum of
12 four thousand hours.

13 (d) To be eligible to take the examination for a master journey
14 level electrician certificate of competency, the applicant must have
15 possessed a valid journey level electrician certificate of competency
16 for four years.

17 (e) To be eligible to take the examination for a master specialty
18 electrician certificate of competency, the applicant must have
19 possessed a valid specialty electrician certificate of competency, in
20 the specialty applied for, for two years.

21 (f) To be eligible to take the examination for a journey level
22 certificate of competency, the applicant must have:

23 (i) Worked in the electrical construction trade for a minimum of
24 eight thousand hours, of which four thousand hours shall be in
25 industrial or commercial electrical installation under the
26 supervision of a master journey level electrician or journey level
27 electrician and not more than a total of four thousand hours in all
28 specialties under the supervision of a master journey level
29 electrician, journey level electrician, master specialty electrician
30 working in that electrician's specialty, or specialty electrician
31 working in that electrician's specialty. Specialty electricians with
32 less than a four thousand hour work experience requirement cannot
33 credit the time required to obtain that specialty towards qualifying
34 to become a journey level electrician; or

35 (ii) Successfully completed an apprenticeship program approved
36 under chapter 49.04 RCW for the electrical construction trade.

37 (g)(i) To be eligible to take the examination for a specialty
38 electrician certificate of competency, the applicant must have:

39 (A) Worked in the residential (as specified in WAC
40 296-46B-920(2)(a)), pump and irrigation (as specified in WAC

1 296-46B-920(2)(b)), sign (as specified in WAC 296-46B-920(2)(d)),
2 limited energy (as specified in WAC 296-46B-920(2)(e)),
3 nonresidential maintenance (as specified in WAC 296-46B-920(2)(g)),
4 or other new nonresidential specialties as determined by the
5 department in rule under the supervision of a master journey level
6 electrician, journey level electrician, master specialty electrician
7 working in that electrician's specialty, or specialty electrician
8 working in that electrician's specialty for a minimum of four
9 thousand hours;

10 (B) Worked in the appliance repair specialty as determined by the
11 department in rule, restricted nonresidential maintenance as
12 determined by the department in rule, the equipment repair specialty
13 as determined by the department in rule, the pump and irrigation
14 specialty other than as defined by (g)(i)(A) of this subsection or
15 domestic pump specialty as determined by the department in rule, or a
16 specialty other than the designated specialties in (g)(i)(A) of this
17 subsection for a minimum of the initial ninety days, or longer if set
18 by rule by the department. The restricted nonresidential maintenance
19 specialty is limited to a maximum of 277 volts and 20 amperes for
20 lighting branch circuits and/or a maximum of 250 volts and 60 amperes
21 for other circuits, but excludes the replacement or repair of circuit
22 breakers. The initial period must be spent under one hundred percent
23 supervision of a master journey level electrician, journey level
24 electrician, master specialty electrician working in that
25 electrician's specialty, or specialty electrician working in that
26 electrician's specialty. After this initial period, a person may take
27 the specialty examination. If the person passes the examination, the
28 person may work unsupervised for the balance of the minimum hours
29 required for certification. A person may not be certified as a
30 specialty electrician in the appliance repair specialty or in a
31 specialty other than the designated specialties in (g)(i)(A) of this
32 subsection, however, until the person has worked a minimum of two
33 thousand hours in that specialty, or longer if set by rule by the
34 department; or

35 (C) Successfully completed an approved apprenticeship program
36 under chapter 49.04 RCW for the applicant's specialty in the
37 electrical construction trade.

38 (ii) In meeting the training requirements for the pump and
39 irrigation or domestic pump specialties, the individual shall be
40 allowed to obtain the experience required by this section at the same

1 time the individual is meeting the experience required by RCW
2 18.106.040(1)(c). After meeting the training requirements provided in
3 this section, the individual may take the examination and upon
4 passing the examination, meeting additional training requirements as
5 may still be required for those seeking a pump and irrigation, or a
6 domestic pump specialty certificate as defined by rule, and paying
7 the applicable fees, the individual must be issued the appropriate
8 certificate. The department may include an examination for specialty
9 plumbing certificate defined in RCW 18.106.010(10)(c) with the
10 examination required by this section. The department, by rule and in
11 consultation with the electrical board, may establish additional
12 equivalent ways to gain the experience requirements required by this
13 subsection. Individuals who are able to provide evidence to the
14 department, prior to January 1, 2007, that they have been employed as
15 a pump installer in the pump and irrigation or domestic pump business
16 by an appropriately licensed electrical contractor, registered
17 general contractor defined by chapter 18.27 RCW, or appropriate
18 general specialty contractor defined by chapter 18.27 RCW for not
19 less than eight thousand hours in the most recent six calendar years
20 shall be issued the appropriate certificate by the department upon
21 receiving such documentation and applicable fees. The department
22 shall establish a single document for those who have received both an
23 electrical specialty certification as defined by this subsection and
24 have also met the certification requirements for the specialty
25 plumber as defined by RCW 18.106.010(10)(c), showing that the
26 individual has received both certifications. No other experience or
27 training requirements may be imposed.

28 (iii) Before July 1, 2015, an applicant possessing an electrical
29 training certificate issued by the department is eligible to apply
30 one hour of every two hours of unsupervised telecommunications system
31 installation work experience toward eligibility for examination for a
32 limited energy system certificate of competency (as specified in WAC
33 296-46B-920(2)(e)), if:

34 (A) The telecommunications work experience was obtained while
35 employed by a contractor licensed under this chapter as a general
36 electrical contractor (as specified in WAC 296-46B-920(1)) or limited
37 energy system specialty contractor (as specified in WAC
38 296-46B-920(2)(e)); and

39 (B) Evidence of the telecommunications work experience is
40 submitted in the form of an affidavit prescribed by the department.

1 (iv)(A) Before January 1, 2019, an applicant possessing an
2 electrical training certificate issued by the department is eligible
3 to apply one hour of every two hours of unsupervised work experience
4 in the electrical trade toward eligibility for examination for a
5 limited energy certificate of competency (as specified in WAC
6 296-46B-920(2)(e)), a HVAC/refrigeration systems certificate of
7 competency (as specified in WAC 296-46B-920(2)(f)(v)), or a
8 nonresidential maintenance certificate of competency (as specified in
9 WAC 296-46B-920(2)(g)) if:

10 (I) The work experience was obtained while employed by a school
11 district as defined in RCW 28A.315.025; and

12 (II) Evidence of the work experience is submitted in the form of
13 an affidavit prescribed by the department.

14 (B) An applicant under this subsection (1)(g)(iv) may apply for
15 more than one certificate of competency; however, each hour of work
16 experience may be applied toward eligibility for only one certificate
17 of competency.

18 (h) Any applicant for a journey level electrician certificate of
19 competency who has successfully completed a two-year program in the
20 electrical construction trade at public community or technical
21 colleges, or not-for-profit nationally accredited technical or trade
22 schools licensed by the workforce training and education coordinating
23 board under chapter 28C.10 RCW, may substitute up to two years of the
24 technical or trade school program for two years of work experience
25 under a master journey level electrician or journey level
26 electrician. The applicant shall obtain the additional two years of
27 work experience required in industrial or commercial electrical
28 installation prior to the beginning, or after the completion, of the
29 technical school program. Any applicant who has received training in
30 the electrical construction trade in the armed service of the United
31 States may be eligible to apply armed service work experience towards
32 qualification to take the examination for the journey level
33 electrician certificate of competency.

34 (i) An applicant for a specialty electrician certificate of
35 competency who, after January 1, 2000, has successfully completed a
36 two-year program in the electrical construction trade at a public
37 community or technical college, or a not-for-profit nationally
38 accredited technical or trade school licensed by the workforce
39 training and education coordinating board under chapter 28C.10 RCW,
40 may substitute up to one year of the technical or trade school

1 program for one year of work experience under a master journey level
2 electrician, journey level electrician, master specialty electrician
3 working in that electrician's specialty, or specialty electrician
4 working in that electrician's specialty. Any applicant who has
5 received training in the electrical construction trade in the armed
6 services of the United States may be eligible to apply armed service
7 work experience towards qualification to take the examination for an
8 appropriate specialty electrician certificate of competency.

9 (j) The department must determine whether hours of training and
10 experience in the armed services or school program are in the
11 electrical construction trade and appropriate as a substitute for
12 hours of work experience. The department must use the following
13 criteria for evaluating the equivalence of classroom electrical
14 training programs and work in the electrical construction trade:

15 (i) A two-year electrical training program must consist of three
16 thousand or more hours.

17 (ii) In a two-year electrical training program, a minimum of two
18 thousand four hundred hours of student/instructor contact time must
19 be technical electrical instruction directly related to the scope of
20 work of the electrical specialty. Student/instructor contact time
21 includes lecture and in-school lab.

22 (iii) The department may not allow credit for a program that
23 accepts more than one thousand hours transferred from another
24 school's program.

25 (iv) Electrical specialty training school programs of less than
26 two years will have all of the above student/instructor contact time
27 hours proportionately reduced. Such programs may not apply to more
28 than fifty percent of the work experience required to attain
29 certification.

30 (v) Electrical training programs of less than two years may not
31 be credited towards qualification for journey level electrician
32 unless the training program is used to gain qualification for a four
33 thousand hour electrical specialty.

34 (k) No other requirement for eligibility may be imposed.

35 (2) The department shall establish reasonable rules for the
36 examinations to be given applicants for certificates of competency.
37 In establishing the rules, the department shall consult with the
38 board. Upon determination that the applicant is eligible to take the
39 examination, the department shall so notify the applicant, indicating
40 the time and place for taking the examination.

1 (3) No noncertified individual may work unsupervised more than
2 one year beyond the date when the trainee would be eligible to test
3 for a certificate of competency if working on a full-time basis after
4 original application for the trainee certificate. For the purposes of
5 this section, "full-time basis" means two thousand hours.

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