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# A BILL FOR AN ACT

RELATING TO ELECTRICAL LICENSING.

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:**

1 SECTION 1. Section 448E-5, Hawaii Revised Statutes, is  
2 amended to read as follows:

3 "§448E-5 Minimum requirements. An applicant shall possess  
4 the following minimum qualifications:

5 (1) Journey worker electrician. Every applicant to be  
6 eligible for the journey worker electrician  
7 examination shall be at least eighteen years of age  
8 and shall provide satisfactory evidence of:

9 (A) Successfully completing an accredited academic  
10 program and a five-year apprenticeship program  
11 covering the principles of electrical theory and  
12 the requirements of the National Electric Code;  
13 or

14 (B) At least five years of full-time experience in  
15 residential or commercial wiring [~~of at least~~  
16 ~~five years full-time~~] or its equivalent, but [~~not~~  
17 ~~less~~] no fewer than [10,000] ten thousand hours



1 of experience in the trade under the supervision  
2 of a journey worker or supervising electrician.

3 (2) Journey worker specialty electrician. Every applicant  
4 to be eligible for the journey worker specialty  
5 electrician examination shall be at least eighteen  
6 years of age and shall ~~have~~:

7 (A) Provide satisfactory evidence of having  
8 successfully completed an accredited academic  
9 program and five-year apprenticeship program  
10 covering the principles of electrical theory and  
11 the requirements of the National Electric Code;  
12 or

13 (B) Have had at least five [~~years~~] years experience  
14 in the trade.

15 (3) Supervising electrician. Every applicant to be  
16 eligible for the supervising electrician examination  
17 shall ~~have~~:

18 (A) Have been registered with the board as a journey  
19 worker electrician for at least a period of four  
20 years in the trade or shall have had equivalent  
21 experience in the trade[+]; and

1           (B) Provide satisfactory evidence of having  
2           successfully completed an associate degree or  
3           certificate program or electrical apprenticeship  
4           program covering the principles of electrical  
5           theory and the requirements of the National  
6           Electric Code.

7           (4) Supervising specialty electrician. Every applicant to  
8           be eligible for the supervising specialty electrician  
9           examination shall ~~have~~;

10          (A) Have been registered with the board as a journey  
11          worker specialty electrician for at least a  
12          period of four years [~~in the trade~~] or shall have  
13          had equivalent experience in the trade[-]; and

14          (B) Provide satisfactory evidence of having  
15          successfully completed an accredited academic  
16          program and five-year apprenticeship program  
17          covering the principles of electrical theory and  
18          the requirements of the National Electric Code.

19          (5) Journey worker plumber. Every applicant to be  
20          eligible for the journey worker plumber examination  
21          shall have had at least five years of full-time  
22          experience [~~of at least five years' full-time~~] or its



1 equivalent but [~~not less~~] no fewer than [~~10,000~~] ten  
2 thousand hours as a journey worker's or master  
3 plumber's helper, and [~~is~~] be able to furnish  
4 satisfactory evidence of such fact.

5 (6) Master plumber. Every applicant to be eligible for  
6 the master plumber examination shall have been  
7 registered with the board as a journey worker plumber  
8 for at least two years or shall have had equivalent  
9 experience in the trade.

10 (7) Maintenance electrician. Every applicant to be  
11 eligible for the maintenance electrician examination  
12 shall [~~be~~]:

13 (A) Be not less than eighteen years of age;

14 (B) Provide satisfactory evidence of having  
15 successfully completed an accredited academic  
16 program or a five-year apprenticeship program  
17 covering the principles of electrical theory and  
18 the requirements of the National Electric Code;  
19 [~~and shall have~~] or;

20 (C) Have had at least one year of experience in  
21 performing electrical maintenance work or proof



1 of two years of schooling in the electrical  
2 trade.

3 (8) Journey worker industrial electrician. Every  
4 applicant to be eligible for the journey worker  
5 industrial electrician examination shall ~~[be]~~:

6 (A) Be at least eighteen years of age;

7 (B) Provide satisfactory evidence of having  
8 successfully completed an accredited academic  
9 program and a five-year apprenticeship program  
10 covering the principles of electrical theory and  
11 the requirements of the National Electric Code;  
12 ~~[and shall have]~~ or

13 (C) Have had at least five years of full-time  
14 experience in industrial electrical work ~~[of at~~  
15 least five years full-time] or its equivalent ~~[7~~  
16 but not less]; provided that such experience  
17 shall not be less than ~~[10,000]~~ ten thousand  
18 hours.

19 (9) Supervising industrial electrician. Every applicant  
20 to be eligible for the supervising industrial  
21 electrician examination shall ~~[have]~~:



- 1           (A) Have been registered with the board as a journey
- 2           worker industrial electrician for a period of at
- 3           least four years or shall have had equivalent
- 4           experience in the trade[-]; and
- 5           (B) Provide satisfactory evidence of having
- 6           successfully completed an accredited academic
- 7           program and a five-year apprenticeship program
- 8           covering the principles of electrical theory and
- 9           the requirements of the National Electric Code."

10           SECTION 2. Section 448E-5.5, Hawaii Revised Statutes, is  
 11 amended to read as follows:

12           " [-] §448E-5.5 [-] **Examination.** (a) Every applicant shall  
 13 be examined and shall pass an examination to be eligible for  
 14 licensure. The board shall provide in its rules the passing  
 15 score for the examination. The board may examine applicants or  
 16 may contract with professional testing services to prepare,  
 17 administer, and grade the examination as may be required for the  
 18 purpose of this section.

19           (b) Every applicant shall pay an examination fee as  
 20 provided in rules adopted by the director pursuant to chapter  
 21 91. Should the board contract with a professional testing  
 22 agency to prepare, administer, and grade the examination, the



1 examination fee may be paid directly to the testing agency by  
2 the director or the examinee.

3 (c) The examinations for all levels of electricians shall  
4 test the applicant's knowledge of the principles of electrical  
5 theory and the requirements of the National Electric Code. The  
6 examinations shall test the applicant at the level of knowledge  
7 gained through the successful completion of an associate degree  
8 or certification program in electrical theory or electrical  
9 apprenticeship from an accredited institution."

10 SECTION 3. This Act does not affect rights and duties that  
11 matured, penalties that were incurred, and proceedings that were  
12 begun, before its effective date.

13 SECTION 4. Statutory material to be repealed is bracketed  
14 and stricken. New statutory material is underscored.

15 SECTION 5. This Act shall take effect on July 1, 2050;  
16 provided that the amendments made by section 1 of this Act to  
17 paragraphs (3), (4), and (9) of section 448E-5, Hawaii Revised  
18 Statutes, shall take effect four years from the effective date  
19 of this Act.



**Report Title:**  
Electrical Licensing

**Description:**  
Specifies educational requirements for electricians. (SD1)

