
A BILL FOR AN ACT

RELATING TO ELECTRICAL AND PLUMBING TRADES.

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 or
10 apprenticeship program covering the principles of
11 electrical theory and the requirements of the
12 National Electric Code; or

13 (B) At least five years of full-time experience in
14 residential or commercial wiring [~~of at least~~
15 ~~five years full-time~~] or its equivalent, but [~~not~~
16 ~~less~~] no fewer than [~~10,000~~] ten thousand hours
17 of experience in the trade under the supervision
18 of a journey worker or supervising electrician.



1 (2) Journey worker specialty electrician. Every applicant
2 to be eligible for the journey worker specialty
3 electrician examination shall be at least eighteen
4 years of age and shall ~~[have had at]~~ provide
5 satisfactory evidence of:

6 (A) Successfully completing an accredited academic or
7 apprenticeship program covering the principles of
8 electrical theory and the requirements of the
9 National Electric Code; or

10 (B) At least five years' experience in the trade.

11 (3) Supervising electrician. Every applicant to be
12 eligible for the supervising electrician examination
13 shall ~~[have]~~ :

14 (A) Have been registered with the board as a journey
15 worker electrician for at least a period of four
16 years in the trade or ~~[shall have had]~~ provide
17 satisfactory evidence of equivalent experience in
18 the trade[-]; and

19 (B) Provide satisfactory evidence of having
20 successfully completed an associate degree or
21 certificate program or electrical apprenticeship
22 program covering the principles of electrical



1 theory and the requirements of the National
2 Electric Code.

3 (4) Supervising specialty electrician. Every applicant to
4 be eligible for the supervising specialty electrician
5 examination shall ~~have~~:

6 (A) Have been registered with the board as a journey
7 worker specialty electrician for at least a
8 period of four years [~~in the trade or shall have~~
9 ~~had~~] or provide satisfactory evidence of
10 equivalent experience in the trade~~[-]~~; and

11 (B) Provide satisfactory evidence of having
12 successfully completed an accredited academic or
13 apprenticeship program covering the principles of
14 electrical theory and the requirements of the
15 National Electric Code.

16 (5) Journey worker plumber. Every applicant to be
17 eligible for the journey worker plumber examination
18 shall have had experience of at least five years'
19 full-time or its equivalent but not less than 10,000
20 hours as a journey worker's or master plumber's
21 helper, and is able to furnish satisfactory evidence
22 of such fact.

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

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

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

10 (B) Provide satisfactory evidence of having
11 successfully completed an accredited academic or
12 apprenticeship program covering the principles of
13 electrical theory and the requirements of the
14 National Electric Code; ~~[and shall have had]~~ and

15 (C) Provide satisfactory evidence of at least one
16 year of experience in performing electrical
17 maintenance work or proof of two years of
18 schooling in the electrical trade.

19 (8) Journey worker industrial electrician. Every
20 applicant to be eligible for the journey worker
21 industrial electrician examination shall ~~[be]~~:

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



1 (B) Provide satisfactory evidence of having
 2 successfully completed an accredited academic or
 3 apprenticeship program covering the principles of
 4 electrical theory and the requirements of the
 5 National Electric Code; [~~and shall have had~~] and

6 (C) Provide satisfactory evidence of at least five
 7 years of full-time experience in industrial
 8 electrical work [~~of at least five years full-~~
 9 time] or its equivalent, but [~~not less~~] no fewer
 10 than [~~10,000~~] ten thousand hours.

11 (9) Supervising industrial electrician. Every applicant
 12 to be eligible for the supervising industrial
 13 electrician examination shall [~~have~~]:

14 (A) Have been registered with the board as a journey
 15 worker industrial electrician for a period of at
 16 least four years or [~~shall have had~~] provide
 17 satisfactory evidence of equivalent experience in
 18 the trade[~~-~~]; and

19 (B) Provide satisfactory evidence of having
 20 successfully completed an accredited academic or
 21 apprenticeship program covering the principles of



1 electrical theory and the requirements of the
2 National Electric Code."

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

5 "[+]§448E-5.5[+] **Examination.** (a) Every applicant shall
6 be examined and shall pass an examination to be eligible for
7 licensure. The board shall provide in its rules the passing
8 score for the examination. The board may examine applicants or
9 may contract with professional testing services to prepare,
10 administer, and grade the examination as may be required for the
11 purpose of this section.

12 (b) Every applicant shall pay an examination fee as
13 provided in rules adopted by the director pursuant to chapter
14 91. Should the board contract with a professional testing
15 agency to prepare, administer, and grade the examination, the
16 examination fee may be paid directly to the testing agency by
17 the director or the examinee.

18 (c) The examinations for all levels of electricians shall
19 test the applicant on the applicant's knowledge of the
20 principles of electrical theory and the requirements of the
21 National Electrical Code. The examinations shall test the
22 applicant at the level of knowledge gained through the



1 successful completion of an associate degree or certification
2 program in electrical theory from an accredited institution or
3 electrical apprenticeship."

4 SECTION 3. This Act does not affect rights and duties that
5 matured, penalties that were incurred, and proceedings that were
6 begun, before its effective date.

7 SECTION 4. Statutory material to be repealed is bracketed
8 and stricken. New statutory material is underscored.

9 SECTION 5. This Act shall take effect upon its approval.



Report Title:

Electrical and Plumbing Trades; Licensing

Description:

Specifies educational requirements for the electrician trade.
(HB937 HD1)

