

SENATE BILL NO. 72

February 11, 2025, Introduced by Senator CHERRY and referred to Committee on Labor.

A bill to amend 2016 PA 407, entitled "Skilled trades regulation act," by amending sections 701, 711, 715, and 717 (MCL 339.5701, 339.5711, 339.5715, and 339.5717), section 701 as amended by 2018 PA 151.

THE PEOPLE OF THE STATE OF MICHIGAN ENACT:

- 1 Sec. 701. As used in this article:
- 2 (a) "Apprentice electrician" means an individual other than an
- 3 electrical contractor, master electrician, or electrical

1 journeyman, who is engaged in learning about and assisting in the
2 installation or alteration of electrical wiring and equipment under
3 the direct, ~~personal-on-site, in-person~~ supervision of an
4 electrical journeyman or master electrician.

5 (b) "Board" means the electrical administrative board
6 described in section 705.

7 (c) "Electrical contractor" means a person that is engaged in
8 the business of erecting, installing, altering, repairing,
9 servicing, or maintaining electrical wiring.

10 (d) "Electrical journeyman" means an individual other than an
11 electrical contractor who, as ~~his or her~~ **the electrical**
12 **journeyman's** principal occupation, is engaged in the practical
13 installation or alteration of electrical wiring. An electrical
14 contractor or master electrician may also be an electrical
15 journeyman.

16 (e) "Electric sign" means fixed, stationary, or portable self-
17 contained, electrically illuminated equipment that has words or
18 symbols designed to convey information or attract attention.
19 Electric sign includes outline lighting. Electric sign does not
20 include those signs that are indoor or outdoor portable
21 applications or recognized holiday residential signs listed with a
22 recognized testing and approval agency and that use a cord cap-110
23 volt plug as the electrical energizing attachment method.

24 (f) "Electrical wiring" means all wiring, generating
25 equipment, fixtures, appliances, devices, and appurtenances in
26 connection with the generation, distribution, and utilization of
27 electrical energy, in or on a building, residence, structure, or
28 properties, regardless of whether or not the electrical wiring is
29 energized at the time of installation. ~~The term~~ **Electrical wiring**

1 includes service entrance wiring as defined in the Michigan
2 electrical code.

3 (g) "Fire alarm contractor" means a person that is engaged in
4 the business of erecting, installing, altering, repairing,
5 servicing, or maintaining wiring, devices, appliances, or equipment
6 of a fire alarm system.

7 (h) "Fire alarm specialty apprentice technician" means an
8 individual other than a fire alarm contractor or a fire alarm
9 specialty technician who is engaged in learning about and assisting
10 in the installation or alteration of fire alarm system wiring and
11 equipment under the direct, ~~personal-on-site, in-person~~ supervision
12 of a fire alarm specialty technician.

13 (i) "Fire alarm specialty licensure" means licensure as a fire
14 alarm contractor or a fire alarm specialty or apprentice
15 technician.

16 (j) "Fire alarm specialty technician" means an individual
17 other than a fire alarm contractor who, as ~~his or her~~ **the fire**
18 **alarm specialty technician's** principal occupation, is engaged in
19 the design and practical installation or alteration of fire alarm
20 systems. An individual who is a fire alarm contractor may also be a
21 fire alarm specialty technician.

22 (k) "Fire alarm system" means a system that is designed to
23 detect and annunciate the presence of fire, or by-products of fire,
24 installed in a building or structure. Fire alarm system does not
25 include a single station smoke detector.

26 Sec. 711. **(1)** The department shall issue an electrical
27 contractor's license to a person that meets the requirements
28 described in article 2 and either of the following:

29 (a) Is an individual who holds a master electrician's license.

1 (b) Has at least 1 full-time employee who is a master
 2 electrician, resides in this state, and is actively in charge of
 3 and responsible for Michigan electrical code compliance of all
 4 installations of electrical wiring and equipment.

5 (2) If an electrical contractor's license is issued to a
 6 person that meets the requirements of subsection (1) (b), the
 7 electrical contractor and the master electrician employed by the
 8 electrical contractor are jointly and severally responsible for the
 9 supervision or control of all electrical wiring operations
 10 necessary to secure compliance with this article, the rules
 11 promulgated under this article, and all other laws and rules
 12 related to the installation of electrical wiring and equipment.

13 (3) If the master electrician described under subsection
 14 (1) (b) ceases to be employed by the electrical contractor, not more
 15 than 30 days after the end of the master electrician's employment,
 16 the electrical contractor must employ another master electrician to
 17 be actively in charge of and responsible for Michigan electrical
 18 code compliance of all installations of electrical wiring and
 19 equipment. The electrical contractor shall notify the department in
 20 writing of the change in master electricians.

21 Sec. 715. (1) The department shall issue an electrical
 22 journeyman's license to any individual who is ~~at least~~ **not less**
 23 **than** 20 years old, meets the requirements described in article 2,
 24 and meets either of the following:

25 (a) Has ~~at least~~ **not less than** 8,000 hours of experience
 26 obtained over a period of ~~at least~~ **not less than** 4 years related to
 27 electrical construction or maintenance of buildings or electrical
 28 wiring or equipment ~~under the direct supervision of an individual~~
 29 ~~who is licensed under this article.~~ **as an apprentice electrician**

1 **registered under section 717.**

2 (b) While on active duty in the armed forces, served as an
 3 interior electrician or in an equivalent job classification; was
 4 honorably discharged from that military service in the 1-year
 5 period preceding the date the license application is filed; and
 6 has, and provides with ~~his or her~~ **the applicant's** application, an
 7 affidavit signed by a commanding officer, supervisor, or military
 8 superior with direct knowledge of the applicant's service that
 9 states that ~~he or she~~ **the applicant** has ~~, at least~~ **not less than**
 10 8,000 hours of entry-level experience in and basic knowledge of
 11 each of the following:

12 (i) General knowledge of the electrical trade, including
 13 terminology and the ability to make practical calculations.

14 (ii) The determination of system and circuit grounding and
 15 design and use requirements for grounding, including choosing
 16 proper size grounding conductors.

17 (iii) Knowledge of circuit classifications and ratings and
 18 design and use requirements for circuits, including branch circuit
 19 loads.

20 (iv) The determination of ampacity, type of insulation, usage
 21 requirements, methods of installation, protection, support, and
 22 termination.

23 (v) Knowledge regarding the installation of motors and control
 24 circuits.

25 (vi) The calculation of electrical loads and determination of
 26 proper size, rating, and type of service and feeder conductors.

27 (vii) Knowledge regarding fuses, circuit breakers, and all
 28 types of protective devices for conductors and equipment.

29 (viii) Knowledge of all types of raceways and their uses,

1 including determining proper size, conductor fill, support, and
2 methods of installation.

3 (ix) Knowledge of circuits and equipment characterized by usage
4 and electrical power limitations, including differentiating them
5 from electric light and power circuits.

6 (x) Knowledge of all types and applications of lighting
7 fixtures, ratings, requirements for occupancies, special
8 provisions, and clearances.

9 (2) If an applicant who otherwise meets the requirements of
10 subsection (1)(b) has not attained 8,000 hours of entry-level
11 experience or does not have basic knowledge in each of the areas
12 described in subsection (1)(b)(i) to (x), ~~he or she~~ **the applicant**
13 may provide with ~~his or her~~ **the applicant's** application an
14 affidavit signed by a commanding officer, supervisor, or military
15 superior with direct knowledge of the applicant's service that
16 states the amount of experience the applicant has attained and of
17 which of the areas described in subsection (1)(b)(i) to (x) the
18 applicant has basic knowledge, and the department may in ~~its~~ **the**
19 **department's** discretion grant the applicant credit toward the
20 8,000-hour experience requirement of subsection (1)(a) based on the
21 applicant's experience.

22 (3) If an applicant fails to pass the electrical journeyman
23 examination 2 times within a period of 2 years, the applicant is
24 ineligible to sit for another examination until a period of ~~at~~
25 ~~least~~ **not less than** 1 year after the date of failure of the second
26 examination. After that 1-year period, ~~he or she~~ **the applicant** is
27 again eligible to sit for an electrical journeyman's license if ~~he~~
28 ~~or she~~ **the applicant** presents to the board proof of the successful
29 completion of a course on Michigan electrical code, electrical

1 fundamentals, or electrical theory approved by the board.

2 (4) As a condition of renewal of an electrical journeyman's
3 license, the electrical journeyman must demonstrate the successful
4 completion of a course, approved by the board, concerning any
5 update or change in the state construction code within 12 months
6 after the update or change in that code. This requirement applies
7 only during or after those years that the state construction code
8 is updated or changed.

9 Sec. 717. (1) An individual who is employed as an apprentice
10 electrician shall register with the board on a form provided by the
11 board ~~within~~ **not later than** 30 days after employment.

12 (2) The department shall issue a certificate of registration
13 to an individual who is seeking registration under this section if
14 ~~it~~ **the department** receives satisfactory proof of the individual's
15 participation in an apprenticeship training program that is
16 approved by the board under subsection (4).

17 (3) The ratio of electrical journeymen or master electricians
18 to registered apprentice electricians ~~shall be~~ **is** on the basis of 1
19 electrical journeyman or master electrician to ~~no~~ **not** more than ~~3-1~~
20 registered apprentice ~~electricians.~~ **electrician.** The department or
21 an enforcing agency shall enforce the ratio on a jobsite basis.

22 (4) For the purposes of this section, the board shall approve
23 any bona fide apprenticeship training program that complies with
24 subsection (3) and, excluding any requirements related to jobsite
25 ratios that are inconsistent with subsection (3), is equivalent to
26 or exceeds the requirements of those imposed by the Office of
27 Apprenticeship in the United States Department of Labor.

28 (5) **If an electrical contractor violates subsection (3), the**
29 **electrical contractor is subject to sanctions under subsection (6).**

1 If an individual who holds a master electrician's license as
2 described in section 711(1) (b) violates subsection (3), both the
3 individual who holds a master electrician's license as described in
4 section 711(1) (b) and the electrical contractor that employs the
5 individual are subject to sanctions under subsection (6).

6 (6) A person that violates subsection (3) is subject to the
7 following punishments:

8 (a) For a first violation, a \$5,000.00 administrative fine.

9 (b) For a second violation, a \$10,000.00 administrative fine.

10 (c) For a third violation, a suspension, for not less than 90
11 days, of the electrical contractor's master electrician's license,
12 if applicable, or the master electrician's license of the
13 individual who holds a master electrician's license as described in
14 section 711(1) (b). After 90 days, the license may be reinstated if
15 the applicable individual passes the master electrician examination
16 described in section 713.

17 (7) The department shall pay any money collected under this
18 section for an administrative fine to the enforcing agency that
19 discovered the violation that resulted in the administrative fine.

20 (8) If the department issues an order for a violation of this
21 section, the department is entitled to actual costs and attorney
22 fees related to the investigation and adjudication of the
23 violation.