

R156. Commerce, Occupational and Professional Licensing.

R156-55b. Electricians Licensing Rule.

R156-55b-101. Title.

This rule is known as the "Electricians Licensing Rule".

R156-55b-102. Definitions.

In addition to the definitions in Title 58, Chapters 1 and 55, as used in Title 58, Chapter 55 or this rule:

(1) "Electrical work" as used in Subsection 58-55-102(13)(a) and in this rule means installation, fabrication or assembly of equipment or systems included in "Premises Wiring" as defined in the edition of the National Electrical Code, as identified in Subsection R156-56-701(1)(b) which is hereby adopted and incorporated by reference. Electrical work includes installation of raceway systems used for any electrical purpose, and installation of field-assembled systems such as ice and snow melting, pipe-tracing, manufactured wiring systems, and the like. Electrical work does not include installation of factory-assembled appliances or machinery that are not part of the premises wiring unless wiring interconnections external to the equipment are required in the field, and does not include cable-type wiring that does not pose a hazard from a shock or fire initiation standpoint as defined in the National Electrical Code. Wiring covered by the National Electrical Code that does not pose a hazard as described above includes Class 2 wiring as defined in Article 725, Power-Limited circuits as defined in Article 760 and wiring methods covered by Chapter 8. All other wiring is subject to licensing requirements.

(2) "Minor electrical work incidental to a mechanical or service installation" as used in Subsection 58-55-305(1)(n) means the electrical work involved in installation, replacement or repair of appliances or machinery that utilize electrical power. Minor electrical work does not include modification or repair of "Premises Wiring" as defined in the National Electrical Code, and does not include installation of a disconnecting means or outlet. Electrical work is minor and incidental only when wiring is extended no more than ten feet in length from an outlet or disconnect provided specifically for the piece of equipment.

(3) "Residential project" as used in Subsection 58-55-302(3)(j)(ii) pertains to supervision and means electrical work performed in residential dwellings of up to three stories and will include single and multi family dwellings.

(4) "Unprofessional conduct" as defined in Title 58, Chapters 1 and 55, is further defined, in accordance with Subsection 58-1-203(1)(e), in Section R156-55b-501.

(5) "Work commonly done by unskilled labor" as used in Subsection 58-55-102(13)(b)(iii) means work such as digging, sweeping, hammering, carrying, drilling holes, or other tasks that do not directly involve the installation of raceways, conductors, cables, wiring devices, overcurrent devices, or distribution equipment. Unlicensed persons may handle wire on large wire pulls involving conduit of two inches or larger or assist in moving heavy electrical equipment when the task is performed in the immediate presence of and supervised by properly licensed master, journeyman, residential master or residential journeyman electricians acting within the scope of their licenses.

R156-55b-103. Authority.

This rule is adopted by the division under the authority of Subsection 58-1-106(1)(a) to enable the division to administer Title 58, Chapter 55.

R156-55b-104. Organization - Relationship to Rule R156-1.

The organization of this rule and its relationship to Rule R156-1 is described in Section R156-1-107.

R156-55b-302a. Qualifications for Licensure - Education and Experience Requirements.

(1) In accordance with Subsection 58-55-302(3)(i)(i), the approved electrical training program for licensure as a residential journeyman electrician consists of:

(a) a program of electrical study approved by the Utah Board of Regents, Utah College of Applied Technology Board of Trustees or other out of state curriculum that is deemed substantially equivalent as determined by the Electricians Licensing Board.

Programs approved by the Electricians Licensing Board prior to January 1, 2009 remain approved programs; and

(b) at least two years of work experience as a licensed apprentice consistent with Section R156-55b-302b.

(2) In accordance with Subsection 58-55-302(3)(h)(i), the approved four year planned training program for licensure as a journeyman electrician consists of:

(a) a program of electrical study approved by the Utah Board of Regents, Utah College of Applied Technology Board of Trustees or other out of state curriculum that is deemed substantially equivalent as determined by the Electricians Licensing Board. Programs approved by the Electricians Licensing Board prior to January 1, 2009 remain approved programs; and

(b) at least four years of work experience as a licensed apprentice consistent with Section R156-55b-302b.

(3) A semester of school shall include at least 81 hours of classroom instruction time. A student shall attend a minimum of 72 hours to receive credit for the semester.

(4) A competency exam shall be given to each student at the end of each semester with the exception of the fourth year second semester. A student, to continue to the next semester, shall achieve a score of 75% or higher on the competency exam. A student who scores below 75% may retake the test one time.

(5) The applicant shall pass each class with a minimum score of 75%.

(6) Competency test results shall be provided to the Board at the Board meeting immediately following the semester in a format approved by the Board.

(7) An applicant for a master electrician license, applying pursuant to Subsection 58-55-302(3)(f)(i) shall be a graduate of an electrical program accredited by the Engineering Accreditation Commission/Accreditation Board for Engineering and Technology (EAC/ABET).

(8) An applicant shall provide documentation that all education and experience meets the requirements of this rule.

R156-55b-302b. Qualifications for Licensure - Work Experience - Residential Journeyman and Journeyman Electricians.

(1) In order to satisfy Subsections 58-55-302(3)(h) and (i), an applicant for a license as a residential journeyman electrician or journeyman electrician shall document the following on-the-job work experience:

(a) Residential Journeyman Electrician:

(i) at least 600 hours in boxes and fittings, conduit, wireways and cableways and associated fittings;

(ii) at least 3000 hours in wire and cable, individual conductors and multi-conductors cables, and non-metallic sheathed cable;

(iii) at least 300 hours in distribution and utilization equipment, transformers, control panels, disconnects, motor starters, lighting fixtures, heaters, appliances, motor and other distribution or utilization equipment; and

(iv) at least 300 hours in specialized work including grounding, wiring of systems for sound, data, communication, alarms, automated systems, generators, batteries and computer equipment.

(b) Journeyman electrician:

(i) at least 4000 hours in raceways, boxes and fittings, conduit, wireways, cableways and other raceways and associated fittings, and non-metallic sheathed cable;

(ii) at least 800 hours in wire and cable, individual conductors and multi-conductor cables;

(iii) at least 400 hours in distribution and utilization equipment including transformers, panel boards, switchboards, control panels, disconnects, motor starters, lighting fixtures, heaters, appliances, motors and other distribution and utilization equipment; and

(iv) at least 400 hours in specialized work including grounding, wiring of systems for sound, data, communication, alarms, automated systems, generators, batteries and computer equipment.

(2) No more than 2000 hours of work experience may be credited for each 12 month period.

(3) No credit will be given for work experience performed illegally.

R156-55b-302c. Qualifications for Licensure - Examination Requirements.

(1) In accordance with Subsection 58-55-302(1)(c)(i), an applicant for licensure under this rule shall pass the appropriate examinations which are approved by the Board, each of which shall consist of a theory part, a code part and a practical part as follows:

- (a) Utah Electrical Licensing Examination for Master Electricians;
- (b) Utah Electrical Licensing Examination for Master Residential Electricians;
- (c) Utah Electrical Licensing Examination for Journeyman Electricians; and
- (d) Utah Electrical Licensing Examination for Residential Journeyman Electricians.

(2) Upon completing the requirements for licensure set forth in Sections R156-55b-302a and R156-55b-302b, the applicant shall obtain approval from the Division permitting the applicant to take the examination.

(3) The applicant shall obtain a "pass" grade on the practical part of the examination, a score of at least 75% on the theory part and a score of at least 75% on the code part of the examination.

(4) If an applicant fails one or more of the parts of the examination, the applicant shall retake the part or parts of the examination failed no more than two additional times, with at least 25 days between tests.

(5) If an applicant does not pass the failed part of the examination upon the second retake or within six months of initially being approved to test, whichever occurs first, as provided in Subsection (4), the application shall be denied.

R156-55b-303. Renewal Cycle - Procedures.

(1) In accordance with Subsection 58-1-308(1), the renewal date for the two-year renewal cycle applicable to licensees under Title 58, Chapter 55 is established by rule in Section R156-1-308a.

(2) Renewal procedures shall be in accordance with Section R156-1-308.

R156-55b-304. Continuing Education.

(1) In accordance with Subsections 58-1-203(1)(g) and 58-1-308(3)(b), there is created a continuing education requirement as a condition for renewal or reinstatement of master, journeyman, residential master, residential journeyman and apprentice electrician licenses issued under Title 58, Chapter 55.

(2) Continuing education shall consist of 16 hours of course work in each preceding two year period of licensure or expiration of licensure.

(3) A minimum of eight hours shall be on the current edition of the National Electrical Code, as identified in Subsection R156-56-701(1)(b).

(4) The licensee is responsible for maintaining competent records of completed qualified continuing education for a period of four years after the close of the two year renewal period to which the records pertain.

(5) The standards for qualified continuing education are as follows:

- (a) courses and instructors shall be approved by the Electricians Licensing Board;
- (b) the content must be relevant to the electrical trade and consistent with the laws and rules of this state;

(c) an instructor must either be currently teaching or have taught courses related to the electrical trade within the preceding two years for one of the following:

- (i) a trade school, college or university whose electrical program is approved in accordance with Subsections R156-55b-302a(1)(a) and (3);
- (ii) a professional association or organization representing licensed electricians whose program objectives relate to the electrical trade;
- (iii) the licensing agency of another state;
- (iv) a federal or other Utah agency or another state's agency; or
- (v) the Division's Building Codes Education program.

(6) Electricians Licensing Board members, acting in their official capacity as a board member, may attend any continuing education course at no charge, at any time, to monitor the quality of instruction.

R156-55b-401. Conduct of Apprentice and Supervising Electrician.

(1) It shall be the responsibility of the journeyman, residential journeyman, master or residential master electrician who is licensed by the division to insure that the work installed by any apprentice under his supervision, is properly installed. Proper and safe installations shall be the responsibility of the supervising party or parties.

(2) An apprentice may be supervised as a fourth year apprentice in the fifth and sixth year of apprenticeship. In the seventh and succeeding years of apprenticeship, he shall be under immediate supervision as set forth in Subsection 58-55-302(3)(j)(i).

(3) All other apprentices shall be under immediate supervision as set forth in Subsection 58-55-302(3)(j).

(4) For the purposes of Subsections 58-55-102(28), 58-55-501(12) and 58-55-302(3)(j), one of the following shall apply:

(a) the supervisor and apprentice employees are employees of the same electrical contractor;

(b) the supervisor and apprentice employees providing work or supervision of work for another electrical contractor are considered as employees of the electrical contractor on the project; or

(c) the employees of a licensed professional organization who provide workers under a contract with an electrical contractor are considered as employees of the electrical contractor with regard to the work performed on the project.

R156-55b-501. Unprofessional Conduct.

"Unprofessional conduct" includes:

(1) failure of a licensee to carry a copy of a current license at all times when performing electrical work;

(2) failure of an electrical contractor to certify an electrician's hours and breakdown of work experience by category when requested by an electrician who is or has been an employee; and

(3) failure of a licensee to provide proof of completed continuing education within 30 days of the Division's request.

KEY: occupational licensing, licensing, contractors, electricians

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ELECTRICIANS LICENSING RULE

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