

Bermuda National Occupational
Certification Standard 2017:
Electrician – Levels Full and Limited

National Certification

In order to complete the process for National Certification for the occupation of Electrician, applicants will have several paths available dependent on their experience, qualifications and fulfillment of the requirements as outlined in the application process. Applicants can gain certification through equivalency or by proof of competencies. Equivalency is designed to speed up the process of certification and reduce industry down time for skilled staff.

Proof of competency requires the applicant to demonstrate how they match their skills and knowledge against the recognized standard. The level of competency will be confirmed by a technical interview with the Industry Assessment Panel (IAP) if applicable.

National Certification will be available in two categories, these categories are as follows:

Description of Full License: The minimum requirement for persons to gain a work permit as an Electrician in Bermuda is to obtain a Full License.

- Applicant must demonstrate a good working knowledge of the current National Electric Code (NEC) standard and related theory
- Applicant must have 8 – 10 consecutive years of work experience or 8,000 hours of practical/apprenticeship training
- Applicant must demonstrate a good working knowledge of a three (3) Phase Service Entry application
- Applicant must demonstrate good competency based knowledge of working with high voltage (minimum of 480 volts – above 400 amp)
- Applicant must provide good references and evidence of practical experience (work binder/ portfolio)
- Applicant must be capable of answering field related questions

Description of Limited License: Limitation – restricted from working within the scope of Article 517 of the National Electrical Code (Health and Care Facilities)

- Applicant must demonstrate a good working knowledge of the current National Electric Code (NEC) standard and related theory
- Applicant must have 8,000 hours of practical/apprenticeship training program
- Applicant must demonstrate a good working knowledge of a Single Phase Service Entry application
- Applicant must demonstrate a good working knowledge and competency working with 120/240 volts – 400 amps applications
- Applicant must provide good references and evidence of practical experience (work binder/ portfolio)
- Applicant must be capable of answering field related questions
- Applicant may obtain Full Certification in the future if specific requirements (as outlined above) are met

RPL (Recognition for Prior Learning) process (available to Bermudians only):

The OAC recognizes prior learning of skills, knowledge or competencies that have been acquired through employment, formal and informal education, non-formal learning or other life experiences. Prior learning must be measurable at the required practical skill level and meet standards of achievement for current courses such as the NEC code. Challenge exams and portfolio development are the primary methods of assessment. Other methods of assessment may be available depending upon the nature of the previously assessed knowledge deficiencies.

1. Formal Education: Structured, intentional and achieved through credit-based programs/courses.
2. Informal Education: Intentional and gained through participation in non-credit courses, work-place-based training, seminars and/or workshops
3. Non-formal Learning: Knowledge and/or skills gained through self-directed study, voluntary work, travel and other learning experiences.
4. Work and Life Experience: The prior learning of skills, knowledge or competencies that have been acquired through employment, education (informal/ formal), non-formal learning or other life experiences.

The length of time needed to complete a RPL assessment will vary per individual depending on the content and method of assessment (i.e. a course requiring a portfolio assessment will require a longer period of time to complete than one requiring a challenge exam).

Methods of Assessment:

1. Challenge Exam: a written/oral/demonstration which measures the learning outcomes for specific content;
2. Work Binder: a comprehensive collection of documented evidence related to the learning outcomes for a specific trade. It could include some of the following (not an exhaustive list)
 - a. Resume
 - b. References
 - c. Pictures (with attestation that work was completed by Applicant)
 - d. Certificates/Qualifications
3. Interview
4. Physical/Practical Demonstration/Project
5. Combination of assessment methods