

VIRGINIA DIVISION OF MINERAL MINING MINERAL MINE ELECTRICIAN CERTIFICATION

This document provides information about the examination and application process for becoming certified as a Mineral Mining Electrician by Virginia's Division of Mineral Mining (DMM). To be certified, an applicant must hold a valid journeyman or master electrician license issued by the Virginia Department of Professional and Occupational Regulation (DPOR) or successfully pass the technical section of the journeyman electrician's exam (by scoring at least 80% on the technical section) and possess the required experience and/or education qualifications (detailed below).

For those applicants who need to take the exam specifically for obtaining the Mineral Mining Electrician certification, PSI Examination Services (PSI), a private testing firm that conducts DPOR's examination program, administers the exam for DMM. When applicable, DMM will register an applicant with PSI when processing the certification candidate's application. Please note that the results of the exam, when taken as part of the DMM application process, are only valid for obtaining a Mineral Mining Electrician certification and may not be used to obtain a journeyman electrician license through the DPOR. For information on how to obtain a journeyman or master electrician license, please contact:

Commonwealth of Virginia
Department of Professional and Occupational Regulation
3600 West Broad Street
Richmond, VA 23230
(804) 367-8511
www.state.va.us/dpor
email: contractors@dpor.state.va.us

APPLICATION AND CERTIFICATION REQUIREMENTS

Applicants shall submit to the DMM:

- A completed Board of Mineral Mining Examiners' (BMME) Application for Certification Examination form (BMME-1).
- A copy of all degrees (Associate's or Bachelor's degrees) or licenses (journeyman's or master's electrician license) required for certification.
- A completed BMME Verification of Work Experience form (BMME-2) signed by a company official who is knowledgeable and can verify the experience.
- A \$60 fee for the examination made payable to "Treasurer of Virginia" if paid by check or money order.
- Documentation of training as required by 30 CFR Part 46 or 48 or provide evidence of their knowledge of safe working practices on the mine site.

For those applicants who need to take the exam, please refer to the examination center locations section at the end of this document to choose a location and date to take the exam. Enter this information on BMME-1 prior to submitting the application to DMM.

Certification Requirements

In order to be certified as a Mineral Mining Electrician, all candidates must meet either of the following requirements:

- Hold a valid journeyman or master electrician license issued by the Virginia Department of Professional and Occupational Regulation;

Or

- Submit evidence that one of the following combinations of experience and education qualifications has been met, and then successfully pass the journeyman electrician exam:

Four years of practical experience in the electrical trade and 240 hours of formal vocational training in the electrical trade; or

Five years of practical experience in the electrical trade and 160 hours of formal vocational training in the electrical trade; or

Six years of practical experience in the trade and 80 hours of formal vocational training in the trade; or

An Associate Degree or certificate of completion from a two year program in the electrical trade from an accredited community college or technical; or

A Bachelor's Degree from an accredited college or university in an engineering curriculum related to the electrical trade and 1 year of practical experience in the trade; or

Ten years of practical electrical experience, verified by a company official knowledgeable of such experience or any one of the following individuals who observed and can attest to the candidate's work in the electrical trade: building officials, current or former employers, contractors, engineers, architects, or current or past clients.

EXAMINATION PROCESS

Examination Admission Letter

After DMM processes the application (including the fee) and determines that all required information is accurate and complete, DMM will send a confirmation/admission letter to the applicant that identifies the location and date of the scheduled exam. This admission letter must be presented to PSI on the date of the exam, in order to be admitted to take the exam.

Reporting to the Examination Center

PSI recommends arriving at least 30 minutes before the exam appointment, in order to allow sufficient time for sign-in and identification, and to become familiar with the examination process. If you arrive late, you may not be admitted to the examination center and then you will forfeit the registration fee.

Required Identification

Two forms of VALID (not expired) identification are required for admission to take the exam. One must be a government-issued identification (Driver's license, State ID, Passport, Military ID) that bears the applicant's signature and a photograph or complete physical description. The second ID must bear the applicant's signature and preprinted legal name. All identification provided must match the name on the registration form. If the required identification cannot be provided, then the applicant must call (800) 733-9267 no later than 1 month prior to the scheduled examination appointment to arrange a way to meet this security requirement. Failure to provide all of the required identification at the time of the examination without notifying PSI as required, will be considered a missed appointment (that results in forfeit of fee) and the applicant will not be able to take the exam at that time.

Missed Appointment (No Show) or Late Cancellation

An applicant will not be able to take the examination as scheduled and will forfeit the examination fee, if he/she:

- Does not cancel the appointment at least 3 full business days before the scheduled examination date; or
- Does not appear for the examination appointment; or
- Arrives after the Examination Start Time; or
- Does not present proper identification at check in.

Rescheduling

DMM and PSI strongly recommend attending the scheduled examination date/time. If the scheduled exam date/time cannot be made, DMM's certification section must be contacted to cancel or reschedule the exam appointment. The exam appointment may be cancelled and rescheduled without forfeiting the exam fee if the cancellation notice is received no later than 3 full business days before the scheduled examination date.

REFERENCES AND INFORMATION ABOUT THE EXAM

The following references are possible study materials for the technical section of the Journeyman's electrician exam:

- 1996 or 1999 National Electrical Code, NFPA 70
- American Electrician's Handbook, 13th Edition, Croft and Summers

These references are listed to identify resources and do not constitute an endorsement by DMM.

NOTE: The examination is open book. However, it is the applicant's responsibility to bring his/her own reference books to the examination center. Applicants are not allowed to bring in loose papers, unbound references, or study guides to the exam.

Examination Content Outline

Use the outline as the basis for study. The outline lists the topics that are on the examination and the number of items for each topic. The Mineral Mining Electrician exam is comprised entirely of the technical section of the Journeyman electrician exam and consists of the following 60 items:

- A. General Electrical Knowledge (3 Items)
- B. Requirements for Electrical Installations (3 Items)
- C. Electrical-Electronic Fundamentals (2 Items)
- D. Services, Feeders, and Branch Circuits (7 Items)
- E. Service and Feeder Requirements (2 Items)
- F. Grounding and Bonding (7 Items)
- G. Conductors and Cables (7 Items)
- H. Raceways and Boxes (8 Items)
- I. Special Occupancies (3 Items)
- J. Special Equipment (2 Items)
- K. Electrical Signs and Outline Lighting (1 Item)
- L. Motors and Controls (5 Items)
- M. Utilization Equipment (5 Items)
- N. Lighting (2 Items)
- O. General Low Voltage Requirements (1 Item)
- P. Communication Systems (1 Item)
- Q. Fire Detection and Alarm Systems (1 Item)

In order to pass the examination, a minimum score of 80% (48 correct out of 60) is required in accordance with the BMME regulations (4 VAC 25-35-20).

EXAMINATION CENTER LOCATIONS

Computer Examination Center Locations

NORTHERN VIRGINIA AREA

140 Little Falls Street #110

Falls Church, VA

From I-495, take exit 47 towards Falls Church (Leesburg Pike/Rte 7 East) and proceed east for approximately 3.0 miles. As you enter Falls Church, Leesburg Pike becomes Broad Street. Turn left at Little Falls Street (across from the post office). Building is on the right. There is limited street parking. Take a left at Park Avenue for additional street parking.

TYSONS CORNER AREA

1651 Old Meadow Drive, Suite B01

McLean, VA 22102

From the Beltway (I-495) take the McLean Exit (Route 123 North). Turn right on Old Meadow Road (the first traffic light). The site is the first building on the left.

RICHMOND AREA

Daniel Building

3805 Cutshaw Avenue, Suite 310

Richmond, VA 23230

From I-64, exit Staples Mill Road and proceed east approximately 1 mile. Turn left on Broad Street and proceed approximately ¾-mile. Turn right on Kent Road. The Daniel Building is on the corner of Cutshaw Avenue. Use street parking.

TIDEWATER AREA

Military Circle

870 North Military Highway, Suite 111

Norfolk, VA 23502

From I-264, exit Military Highway and proceed north approximately ½-mile. Turn right onto Military Circle. Military Circle is a street that circles the mall, but it is not part of the mall itself. The examination center is in a bank building. Enter through the side entrance of the building.

ROANOKE AREA

Fralin and Waldron Office Park

3150 Chaparral Drive

Building C, Suite 206

Roanoke, VA 24018

From I-81, take 220 Exit (Downtown Roanoke). From 220, take the Franklin Road Exit (not the Franklin Bus Exit). At the stoplight make a right. Franklin Road will turn into Electric Road. Keep going straight until you come to Chaparral Drive and go left. You will see the Fralin & Waldron Building to your left. At the next stoplight go left. Building C is on your left, turn into the parking lot.

If you are traveling from 220 (and not I-81), take the first exit, Franklin Road. Follow the directions above.

Paper/Pencil Examination Center Location

PSI administers paper-and-pencil examinations once a month at a southwest Virginia location. Call (800) 733-9267 to find out where the examination will be administered.