

**MONTGOMERY COUNTY GOVERNMENT
ROCKVILLE, MARYLAND
CLASS SPECIFICATION**

**Code No. 005074
Grade 11**

ELECTRICIAN APPRENTICE

DEFINITION OF CLASS:

This is beginning level and semi skilled work in an apprenticeship program during which an employee develops the knowledge, skills and abilities required to become a journey level electrician. Contacts are generally with shop employees within and outside the electrician trade and involve receiving instructions and information. An incumbent offers limited direct service or assistance to the public.

An employee in this class participates in a formal, state approved apprenticeship program, and receives frequent written and verbal instructions through on the job training and attendance of formal classes. Initially, work is frequently checked during progress and upon completion and performed under very close supervision of a journey level electrician. As the employee's knowledge of and skill in the electrician trade increase, the employee is expected to perform semi skilled and skilled work with a view towards becoming a journey level electrician. In addition to exposure to high voltage systems and energized circuits, the work entails performing tasks from heights and confined spaces, which necessitate the use of insulated protective gear, ladders, scaffolding, platforms and mobile aerial equipment. The work activities require moderate physical effort including standing, stooping, bending, kneeling, climbing, pushing and pulling as well as working in tiring and uncomfortable positions. Work is performed both indoors and outside, as well as in a shop and in a broad variety County Government facilities which entails exposure to dirty, dusty and/or greasy conditions, as well as to areas utilized for public health services and protective custody. An employee may be required to respond to after-hours emergency calls on an infrequent basis.

EXAMPLES OF DUTIES: (Illustrative Only)

- Performs semi skilled electrician and general maintenance assignments.
- Receives on the job instruction and training from a journey level electrician and/or supervisor to accomplish a variety of electrical tasks and to develop and acquire skills of the trade.
- Attends formal and informal shop classes to learn the skills, tools and knowledge of the trade; to have explained and discuss regulations and procedures relative to applicable electrical and local building and fire codes; and to create an awareness of safety rules and practices.
- Uses knowledge of mathematics to learn how to plan and lay out work.
- Performs bench and shop work within capabilities and skills, using hand and power tools of the trade.
- Cleans, sharpens and repairs hand and power tools of the trade.
- Performs related duties as required.

KNOWLEDGE, SKILLS AND ABILITIES:

- Ability to maintain satisfactory grades in classroom training and to pass written aptitude tests of classroom training.
- Ability to use the common hand and power tools of the trade.

- Ability to wear and use personal protective clothing and equipment for protection from energized circuits, dust, fumes, and other irritants to the eyes, nose, ears and respiratory system.
- Ability to prepare simple sketches and material lists.
- Ability to understand and carry out verbal and written instructions in English.
- Ability to respond to after-hours emergency service calls on an infrequent basis.
- Applicant must pass a County administered test of recognition of colors commonly used in the electrical trade.

MINIMUM QUALIFICATIONS:

Experience: No previous experience required.

Education: Graduation from high school or High School Certificate of completion recognized in the State of Maryland.

Equivalency: None.

Physical Abilities: Ability to lift, carry and set up tools, equipment and parts that occasionally weigh up to 50 pounds and to infrequently lift and carry items that weigh over 50 pounds. Ability to work inside and outside where it may be necessary to work from scaffolding, ladders or mobile aerial equipment or in cramped, awkward or uncomfortable positions.

LICENSE:

- Possession and maintenance at all times of a valid Class "C" (or equivalent) driver's license from the applicant's state of residence when required for job-related duties.

PROBATIONARY PERIOD:

Individuals appointed to this class will be required to serve a probationary period of six (6) months, during which time performance will be carefully evaluated. Continuation in this class will be contingent upon successful completion of the probationary period.

MEDICAL EXAM PROTOCOL: Core II Exam.

Note: Medical Protocol revised December 2008.

Class Established: February, 1963
Revised: April, 1968
 November, 1970
 May, 1971
 July, 1974
 December, 1984
 March, 1988
 May, 1991 (M)
 September, 2002 (M)
 December, 2008
 April, 2010
 August, 2013
 October, 2014