

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

**Code No. 005064  
Grade 11**

**PLUMBER APPRENTICE**

**DEFINITION OF CLASS:**

This is entry level, semiskilled plumbing work in an apprentice program. Employees in this program develop the knowledge, skills and abilities required to become a licensed journey level plumber. Contacts are generally with shop employees within and outside of the plumbing trade and primarily involve receiving instructions and information. Incumbents in this class do not provide direct service or assistance to the public.

An employee in this class participates in a formal, state-approved apprentice program, and receives continuous written and verbal instructions through on the job training and attendance of formal classes. Initially, the work is comprised of basic tasks, which are closely monitored by a journey level plumber. As knowledge and skills increase, the employee is expected to perform broader assignments encompassing semi skilled and skilled work in the plumbing trade. The work involves continuous physical activity such as crouching, kneeling, bending, pushing, shoving, lifting and otherwise moving items of small and large dimension and/or working in cramped or awkward positions. The hazards of the work include the regular use of hand/power tools and equipment common to the plumbing trade as well as the requirement to work at various unsecured heights from ladders, platforms and scaffolding or in crawl spaces, sump pits and manholes. The work is performed both indoors and outside and involves recurring exposure to dirty, dusty and greasy conditions and entails recurring exposure to noxious odors, chemicals, solvents and human or animal waste, for which use of safety or protective equipment/clothing is required. An employee in this class may be required to respond to after-hours emergency calls on an infrequent basis.

**EXAMPLES OF DUTIES: (Illustrative Only)**

- Performs unskilled and semi skilled plumbing and general maintenance assignments.
- Receives on the job instruction and training from a journey level employee and/or supervisor to perform a variety of progressively difficult plumbing tasks/assignments, which lead to certification as a licensed, journey level plumber.
- Attends formal and informal training classes to acquire the skills and knowledge of the trade, including regulations and procedures relative to building and fire codes; and an awareness of safety rules and practices.
- Uses knowledge of basic shop mathematics 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, repairs and otherwise maintains 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 and equipment of the plumbing trade.
- Ability to wear and use protective clothing and equipment for protection from dust, chemicals, fumes or other irritants to the eyes, nose, ears, skin 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.

#### **MINIMUM QUALIFICATIONS:**

**Experience:** No previous experience required.

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

**Equivalency:** None.

**Physical Ability:** Ability to occasionally lift items that weigh as much as 100 pounds and to frequently carry items that weigh up to 50 pounds. Ability to work inside and outside where it may be necessary to work from scaffolding and ladders or in cramped, awkward and 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 or promoted 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:** May 1971

**Revised:** June 1974

January 1978

December 1984

**Classification Study:** May 1991 (M)

**Classification Study:** February 2003 (M)

December 2008

April 2010

October 2014