



Electrician Apprentice

Class Code: 6536

Date Established: 01-01-81

Date Revised: 05-01-05

OVERVIEW:

Under immediate supervision, in a trainee capacity, the Electrician Apprentice performs a variety of progressively more complex duties installing, maintaining and repairing electrical equipment, and performs related work, as required.

DISTINGUISHING CHARACTERISTICS:

This apprentice classification is distinguished from the Electrician by the absence of substantial responsibility for the completion of journey-level tasks on a continuing basis, and by the requirement that incumbents in this classification receive immediate supervision from journey-level Electricians. Incumbents follow a formal training plan with established objectives and are not solely responsible or accountable for the completion of journey-level tasks on a continuing basis.

The apprentice classification is designed for the employment of minimally qualified individuals with little or no skilled work experience, who are at least 18 years of age, and who demonstrate an aptitude and desire to learn the installation, maintenance and repair of electrical equipment and transmission lines. This classification will be used in conjunction with a formal training program of on-the-job training and supplemental education which outlines training objectives and provides a method for evaluation of performance while achieving those objectives. As it is a four-year training classification, and not intended for the employment of journey-level Electricians, incumbents may not be appointed to in this classification for more than four years. Upon certification of journey-level capability, incumbents will become eligible for appointment or transition to the Electrician classification; however, placement into the Electrician classification is not guaranteed.

TYPICAL ACTIVITIES:

Incumbents in this apprentice classification are instructed in and learn to install transmission lines for electrical equipment; and assemble, install, maintain and repair electric lights, motors, heaters, generators, transformers, switchboards and other electrical apparatus. Incumbents are instructed in and assist journey-level workers operating electrical power generating plants, maintaining the electrical shop, operating electrical equipment and trouble-shooting electrical systems. Incumbents learn the proper selection and storage of electrical equipment and how to make rough sketches and estimate the cost of minor electrical installations. Incumbents become proficient in rules and regulations of the National Electric Code and the Electrical Safety Orders of the Division of Industrial Safety of the State of California; make simple reports, keep simple records and keep a daily log of work completed as well as records of their progression through the work processes listed in the training guidelines.

TYPICAL QUALIFICATIONS:

Knowledge and Abilities:

Entry to this apprentice classification requires the possession of a high school diploma, California GED, or equivalent combination of education and experience including one year of high school algebra with a grade of "C" or better, or equivalent.

Incumbents must be able to follow oral and written instructions; read, write and perform tasks at a level appropriate for the duties; establish and maintain cooperative working relationships; learn how to handle the materials, tools, and equipment used in the installation, maintenance and repair of electrical equipment; learn and apply the National Electric Code and the Electrical Safety Orders of the Division of Industrial Safety of the State of California. Incumbents also must be able to work in a trainee capacity, demonstrating continued progress and improvement in the assembly, installation, maintenance, and repair of electrical apparatus; work in identifying and implementing tools and materials; develop work habits, knowledge and abilities pertinent to the trade; demonstrate a definite interest in a career as an Electrician; and meet all the criteria as defined in the CSU and SETC Apprenticeship Standards Addendum.