

ELECTRICIAN I

DESCRIPTION OF WORK

This is semi-skilled work in the maintenance and repair of electrical equipment. Work includes the independent performance of less technical tasks of the electrical trade; as experience is gained, more technical tasks are performed under the supervision of a journeyman electrician. Assignments are received from a journeyman or foreman and are accompanied by specific instructions. The degree of supervision received depends upon the nature of assignment. Work is reviewed to determine whether basic principles and techniques are understood as well as to determine that assigned tasks are completed satisfactorily.

EXAMPLES OF DUTIES PERFORMED

Cuts, bends, and threads conduit and pulls wire through conduit.
Installs fixtures, outlets, and switches, and makes wire connections.
Replaces defective wiring and makes connections to new electrical installations.
Works in helper's capacity on installation of transformers, building of primary and secondary busways and installation of switchgear.
Makes minor repairs to motors such as cleaning rings and replacing brushes.
Performs related duties as required.

RECRUITMENT STANDARDS

Knowledges, Skills, and Abilities

Working knowledge of elementary arithmetic and units of measure.
Some knowledge of the standard practices and methods of the electrical trade
Some skill in the use and care of the tools and equipment of the electrical trade.
Ability to interpret and work from sketches.
Ability to follow oral and written instructions.

Minimum Education and Experience

High school or General Educational Development diploma or a sufficient year-for-year combination of education and experience in the construction or repair of secondary electrical systems; or an equivalent combination of education and experience.