

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

ELECTRICIAN

POSITION CODE: 13200
Effective: 11-16-70

DISTINGUISHING FEATURES OF WORK:

Under general supervision, performs journeyman electrical work; constructs, installs, alters, maintains and repairs electrical systems, equipment and fixtures; may instruct or supervise a group of helpers of inmates in performing or assisting in similar tasks.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Installs and maintains electrical systems which operate on alternating or direct current circuits and high voltage lines, generators, turbines and appliances through panels, switches, meters and circuit breakers.
2. Dresses and polishes commutators; seats and replaces brushes; rewinds and replaces coils and armatures; performs similar work in repairing and replacing parts.
3. Converts motors, refrigerators and similar appliances to correct current rating.
4. Repairs and maintains electric elevators, switchboards, panels, household appliances, air conditioners, television sets, public address systems, therapy lamps and machines, x-ray equipment and other apparatus utilizing electricity or its effects.
5. May instruct and supervise unskilled workers.
6. Performs other duties as required or assigned which are reasonably within the scope of duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires no formal education.

Knowledges, Skills and Abilities

Requires experience necessary to qualify as a journeyman electrician.
Requires working knowledge of the tools, methods and standard practices of the trade.
Requires working knowledge of the established state and national electrical codes.
Requires ability to read, interpret and work from drawings or sketches.
Requires ability to perform all tasks usually associated with journeyman electricians.
Requires ability to instruct and direct unskilled workers.
Requires ability to inspect and perceive unsafe or faulty conditions in production, transmission and utilization of electricity.
Requires skill in the use of tools of the trade.