



# Electrician I

Salary Group: A16

Class Code: 9802

CLASS TITLE	CLASS CODE	SALARY GROUP	SALARY RANGE
<b>ELECTRICIAN I</b>	<b>9802</b>	<b>A16</b>	<b>\$40,918 - \$61,130</b>
ELECTRICIAN II	9804	A18	\$45,521 - \$71,055
ELECTRICIAN III	9806	A20	\$51,158 - \$81,351
ELECTRICIAN IV	9808	A22	\$57,614 - \$93,138

## GENERAL DESCRIPTION

Performs moderately complex (journey-level) work in the maintenance and repair of electrical equipment and circuits. Work involves installing, replacing, and maintaining electrical systems, apparatus, components of machinery, and equipment. Works under moderate supervision, with limited latitude for the use of initiative and independent judgment.

## EXAMPLES OF WORK PERFORMED

Installs and repairs electrical systems, apparatus, circuits, and electrical components of machinery and equipment.

Inspects and tests electrical equipment, lighting, and power circuits.

Isolates defects in wiring, circuit breakers, fuses, switches, sockets, and other elements, and replaces faulty circuit breakers, fuses, switches, sockets, and other elements of electrical systems.

Interprets blueprints and sketches, and interprets schematic drawings of electrical circuits.

Calculates electrical loads, wire sizes, and lengths.

Mounts motors, transformers, and lighting fixtures into position and completes circuits according to diagram specifications.

Repairs magnetic starters and remote start-stop stations; operates and maintains high- and low-voltage switches; and installs rigid, thin wall, and flexible conduit.

Wires circuits and cleans and tightens low-voltage switch gears.

Assists in the maintenance and renovation of electrical service.

Performs related work as assigned.

## **GENERAL QUALIFICATION GUIDELINES**

### **EXPERIENCE AND EDUCATION**

Experience in electrical work. Graduation from a standard senior high school or equivalent, supplemented by vocational or special training in an electrical trade, is generally preferred. Experience and education may be substituted for one another.

### **KNOWLEDGE, SKILLS, AND ABILITIES**

Knowledge of general principles and theory of electricity, and safety regulations.

Skill in the use of tools.

Ability to make maintenance or electrical repairs, to diagnose malfunctioning units, to maintain records, and to communicate effectively.

### **REGISTRATION, CERTIFICATION, OR LICENSURE**

May require appropriate licensure from the Department of Licensing and Regulation.

May require appropriate hours of on-the-job training and passing an examination issued by the Department of Licensing and Regulation.