



Department: Aerospace Sciences Group
Shift: Rotating between 1st & 2nd
Job Title: Experimental Electrician

Duties and Responsibilities:

- Layout, install, repair and maintain all types of electrical equipment such as generators, motors, transformers, high tension lines, switches, lighting circuits, starters, switchboards, etc.
- Wire complicated circuits, do some rigging
- Operate simple machine tools such as drill press, pope cutting and threading machines.
- Modify and setup equipment for calibration and testing
- Use advanced shop mathematics
- Work from complicated drawings, specifications
- Use wide variety of precision measuring instruments such as voltage testers, ohmmeter, watt meter, etc.
- Operate consoles in control room as required
- Following established safety procedures so as to prevent injury to self and others
- Responsible for tools, machines, equipment, etc. used while performing work.

Education:

- High School graduate or equivalent (preferably from a vocational/technical school).
- 1+ year advanced study at the Junior College Level **OR** 1+ year registered night school or correspondence course school **OR** at least 2 years trades training.

Experience/Knowledge:

- 3 – 5+ years of related trade experience
- Possess broad knowledge of fundamentals of electricity and operation of electrical equipment.
- Be knowledgeable of Ohms Law, handbook and wattage formulas, National Electric Code requirements for wiring and installations.

Other

- Considerable physical effort needed at times.
- Some difficult work positions, particularly in overhead work.
- Some exposure to hazardous conditions and elements and to moving machines, equipment, etc.