

## **BASIC ELECTRICIAN COURSE INFORMATION:**

**PREREQUISITES:** EL score of 90 or higher. Normal color perception.

**PURPOSE:** To provide entry level or lateral move enlisted personnel the training required for duty as Electricians in the Marine Corps Total Force.

**SCOPE:** This course is designed to impart the knowledge, skills, and abilities to provide electrical support to the Marine Corps Total Force. The course consists of instruction on the characteristics, capabilities, operation, and preventive maintenance of electrical power generation and load test equipment; along with electrical distribution systems and floodlights. Instruction is also provided on safety, electrical theory, installation and repair of electrical distribution systems (wiring and hardware), use and care of hand tools, and maintenance management. During this course, students spend time in a field environment producing and distributing electricity for their own use. This 72 hour examination, confined to three training days, evaluates the students on 95 learning objectives. Graduates of the course are licensed, per TM 11275-15/4 on the following equipment:

- Mobile Electric Power Distribution System Replacement [B0027, B0028, B0029, B0030, B0031 & B0032]
- Generator Set, 15kW 60Hz, MEP-1050 [B0043]
- Generator Set, 5kW 60Hz, MEP-1030 [B0077]
- Load Bank, Electrical, 100kW, LSH100D42423 [B0579]
- Floodlight Set [B0640]
- Generator Set, 3kW 60Hz, MEP-831A [B0730]
- Generator Set, 10kW 60Hz, MEP-803A [B0891]
- Generator Set, 10kW 60Hz, MEP-1040 [B0891]
- Generator Set, 10kW 400Hz, MEP-1041 [B0921]
- Generator Set, 30kW 60Hz, MEP-805B [B0953]
- Generator Set, 30kW 60Hz, MEP-1060 [B0953]
- Generator Set, 60kW 400Hz, MEP-1071 [B1016]
- Generator Set, 60kW 60Hz, MEP-806B [B1021]
- Generator Set, 60kW 60Hz, MEP-1070 [B1021]
- Generator Set, 100kW 60Hz, MEP-807A [B1045]

### **REPORTING INSTRUCTIONS:**

GOVERNMENT MESSING IS DIRECTED AND AVAILABLE AT THE COURTHOUSE BAY CHOW HALL (BB-125). GOVERNMENT BILLETING IS DIRECTED AND AVAILABLE, AT A COST, AT THE COURTHOUSE BAY BOQ (BB-45).

EXCEPTION: Those students from the local area already approved for BAS/BAH.

Students report to Commanding Officer, Marine Corps Engineer School, Courthouse Bay, Camp Lejeune, North Carolina. During working hours, report to Building BB-12 (MCES Personnel Office), second building on the right (water side along Ellen Path) after turning left at the "Y" at the end of Horn Road (Marines Road). After working hours, report to the AOOD at Building BB-12. All students will report with Original Orders, Medical Records, and Dental Records. Students will report in service "Alpha" uniform. Graduation uniform will be the seasonal service "Bravo" or "Charlie" uniform.

For more information see the MCES website at:

<http://www.trngcmd.marines.mil/mces>

During working hours, contact the Academic Chief at COMM: (910) 440-7346 / DSN: 758-7346 or the Course Programmer at COMM: (910) 440-7340 / DSN: 758-7340. After working hours, contact the AOOD at COMM: (910) 440-7275 / DSN: 758-7275.