

BASIC ENGINEER EQUIPMENT ELECTRICAL SYSTEM TECHNICIAN

COURSE INFORMATION:

PREREQUISITES: EL score of 100 or higher. MM score of 105 or higher. Normal color perception.

PURPOSE: To provide entry level or lateral move enlisted personnel the training required for duty as Engineer Equipment Electrical Systems Technicians in the Marine Corps Total Force.

SCOPE: This course is designed to impart the knowledge, skills, and abilities to troubleshoot and repair the electrical circuits and systems of all engineer equipment (and some general supply equipment) at the organizational and intermediate levels of maintenance. The course consists of instruction on electrical theory; solid state devices and power supplies; and characteristics, capabilities, operation, and preventive/corrective maintenance of electrical power generation equipment, load test equipment and water heaters. Instruction is also provided on safety; use and care of hand tools; troubleshooting hydraulic systems and fuel powered engines as they relate to electrical malfunctions; and maintenance management. Graduates of the course are licensed per TM 11275-15/4 on the following equipment:

- Generator Set, 15kW 60Hz, MEP-1050 [B0043]
- Generator Set, 5kW 60Hz, MEP-1030 [B0077]
- Load Bank, Electrical, 100kW, LSH100D42423 [B0579]
- 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]

Instruction of selected/tailored lessons will be provided where and when required.

REPORTING INSTRUCTIONS:

GOVERNMENT MESSING IS DIRECTED AND AVAILABLE AT THE COURTHOUSE BAY CHOW HALL (BB-125). GOVERNMENT BILLETING IS DIRECTED AND

AVAILABLE AT COURTHOUSE BAY IN THE UTILITIES INSTRUCTION COMPANY (UIC) BACHELOR ENLISTED QUARTERS (BEQ), BUILDING BB-250.

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.