

# POWER GENERATION TECHNICIAN - ELECTRICAL - CERTIFICATE OF COMPLETION

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Plan Code: 6051

This program consists of a two-course sequence introducing motor generator power systems, covering operation, electrical control systems. In addition, students are provided with hands-on experience troubleshooting possible faults and operational problems and proper methods of troubleshooting and repair. Test procedures, service schedules and general maintenance are also covered. ELECT 602 Electrical Mathematics is recommended for program preparation.

## Program Student Learning Outcomes

- Analyze the operation of a motor generator set to ensure proper function.

## Program Requirements

| Code Number             | Course Title                     | Hours      |
|-------------------------|----------------------------------|------------|
| <b>REQUIRED COURSES</b> |                                  |            |
| ELECT 632A              | Electrical Power Generation      | 72         |
| ELECT 632B              | Power Generation Troubleshooting | 72         |
| <b>Total Hours</b>      |                                  | <b>144</b> |