

Electric Distribution System Equipment Training

Description

Course Objectives

- Training Methodology
- This interactive training Course includes the following training methodologies as a percentage of total tuition hours:-
- 50% Lectures
- 30% Workshops, Group Work & Practical Exercises
- 20% Videos & Software

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Course Outlines

Upon completion of this course, you will have gained a working knowledge of:

- Gain more knowledge on electric power & dielectric principles and demonstrate the safety measures in electric distribution system equipment
- Identify the low & medium voltage cables & buses and be familiar with the MV & LV switchgear circuit breakers
- Know the different types of power transformers as well as its inspection and testing, analyses, failure modes and detection
- Learn about instrument transformers including the types & uses of current & voltage transformers, inspection & tests, common failure modes and CT/VT safety
- Recognize the various types & uses of meter & protective relays and define the difference between analog vs. electronic & their corresponding inspection & tests, meter/relay cautions & safety
- Know the types and ratings of surge arrestors as well as its inspections and tests
- Identify capacitors and achieve knowledge on electrical maintenance program