Introduction to Protection Testing
with the CMC Family

Summary: New to Protection Testing? This is the course for you. Students will be able to apply technical math skills needed to perform their job as a Protection and Control Technician/Protection & Control Field Engineer. Students will learn to identify fault types and how to test protection and control systems according to the fault types and basic schemes associated with protection and control systems.

Prerequisites: Basic electrical knowledge/previous electrical experience/formal education on electrical systems

Duration: 2 days Language: English Code: C.0141.AAX

Objectives

> Students will be able to apply technical math skills needed to perform their job as a Protection and Control Technician/Protection & Control Field Engineer.
> Students will learn to identify fault types and how to test protection and control systems according to the fault types.
> Students will learn the basic schemes associated with protection and control systems and concepts on how to test basic schemes.

Content

> Technical Math
> Fault Types
> CT/PT Introduction
> Basic Relay Concepts
> Basic protection functions testing: non-directional overcurrent relays
> under/over voltage relays
> Directional overcurrent theory
> Bus Protection
> Transformer Protection
> Transmission Line Protection
> Breaker Failure

Products

> OMICRON Test Universe
> Test sets - CMC family
> Calculator
> Computer

Audience

Electrical engineers/technicians working in electrical utilities or service companies responsible for testing and maintenance of protection & control systems