

Transformers – 1.5 Hours

Description – This training module is designed to familiarize students from beginner or expert with understanding the essential elements of the many types of electrical transformers.

Learning Objectives:

Upon completion of this course, the student will be qualified to:

- Understand the Transformer basics
- Identify the components of a transformer
- Understand the how a transformer operates
- Determine the differences between single and three phase
- Understand Transformer applications
- Know available options
- Recognize cooling classes
- Understand the governing standards agencies

Outline

- Transformer Basics
- Components
- How Does a Transformer Work?
- Single and Three Phase explained
- Dry Type
- Liquid Filled
- Miscellaneous Transformers
- Voltages
- Transformer Ratings
- Calculations
- Cooling Classes
- Nameplates
- New Cooling Classes
- Temperature Rise
- Cooling Ratings
- Selection Factors