

**PROGRAM**  
**TRANSFORMER SCHOOL**  
**AMEC Training Center, Jefferson City, Missouri**  
**January 26-28, 2026**

**Monday, January 26**

12:30 p.m. Registration

1:00 p.m. Introduction  
AMEC Instructor

1:15 p.m. Transformer Identification  
Overhead Transformers  
Underground Transformers  
Transformer Rating  
Types

Transformer Anatomy  
Construction  
The Core  
The Windings  
Fluids  
Function  
Components

Transformer Theory  
Induction  
Turns Ratio  
Hands on with Ratios  
Polarity  
Hands on with Polarity  
Losses  
Impedance

4:30 p.m. Adjourn

**Tuesday, January 27**

8:00 a.m. Nameplates  
The Purpose  
Interpretation  
Coil Ratings

Hazards

Transformer Installation  
Sizing Transformers  
Locating the Transformer  
Selecting and Transporting  
Transformer Grounding  
Energizing and Connecting

Winding Designations  
Coil Voltage Ratings  
Dual Voltage Transformers  
Tap Changers  
Hands on Transformer Testing

Vectors  
Wye Primary Vectors  
Delta Primary Vectors  
Secondary Vectors  
Angular Displacement  
Paralleling

12:00 noon Catered Group Lunch

1:00 p.m. Three Phase Connections  
Selection  
Delta and Wye Connections  
Determining the Proper Connections  
Secondary Coils  
Open Banks  
Wye-Wye Banks  
Wye-Delta Banks  
Delta-Wye Banks  
Delta-Delta Banks

Three Phase Underground

Non-Standard Connections

4:30 p.m. Adjourn

**Wednesday, January 28**

8:30 a.m. Three Phase Connections on Transformer  
Trainers

10:30 a.m. Review and Test

11:30 a.m. Adjourn

**INSTRUCTED BY: AMEC Personnel**

**\*Breaks will be taken as necessary.\***