



Power Academy

Testing and Commissioning of High Voltage Circuit Breakers



3 Days | 21 PDHs

Testing and Commissioning of High Voltage Circuit Breakers provides foundational theoretical and hands-on training in the application, operation mechanism, and testing of oil and gas circuit breakers used in the power utility industry.

WHO SHOULD ATTEND?

- Field Commissioning Engineers and Technicians
- Maintenance and Apparatus Technicians

LEARNING EXPERIENCE

This instructor-led course is delivered in our training substation in Lancaster, PA. The course activities focus on:

- Hands-on Power Factor, Contact Resistance, and CT Testing of an SF6 Circuit Breaker.
- Hands-on Control Circuit Commissioning of an SF6 Circuit Breaker.

For more information regarding the course content, delivery dates, and registration, please contact us at TRCPowerAcademy@trccompanies.com

PREREQUISITES

- Experience in reading and interpreting power substation electrical drawings and schematics
- Practical knowledge of performing control circuit testing and commissioning

LEARNING OBJECTIVES

- Explain necessary safety precautions in field testing and commissioning of high-voltage circuit breakers
- Explain the importance and principles of circuit breakers in the power industry
- Identify the various interrupting mediums used in circuit breakers
- Describe various types of circuit breaker operating mechanisms
- Interpret circuit breaker nameplate information
- Read and interpret circuit breaker control schematics
- Identify and perform the various types of electrical and mechanical tests required on circuit breakers