



Transmission Curriculum

Condition Monitoring

- 7701 Maintenance Management
- 7702 On-Line Condition Monitoring
- 7703 Vibration Monitoring & Analysis
- 7704 Non-Destructive Examination Techniques
- 7705 Electrical Testing
- 7706 Liquid Analysis
- 7707 Applications of Condition Monitoring

Electrical Relay Test & Maintenance

- 5901 General Electric Type IAC
- 5905 General Electric Type IAV
- 5906 Westinghouse Type CV
- 5909 General Electric Type BDD
- 5910 Westinghouse Type HU
- 5913 General Electric Type CEY
- 5914 Westinghouse Type KD
- 5917 General Electric Type Inc
- 5918 Westinghouse Type COQ
- 0601 General Electric Type JBCG
- 0602 Westinghouse Type IRD
- 0603 General Electric Type GCX
- 0604 General Electric Type GCXG

Electrical Troubleshooting Skills

- 7301 Troubleshooting - Basic Techniques
- 7302 Troubleshooting - Basic Control Circuits
- 7303 Troubleshooting - Motor Control Circuits
- 7304 Troubleshooting - Industrial Controls

Electric Utility Management

- 7601 The Electricity Business
- 7602 Management Organization
- 7603 Customer Service
- 7604 Electric Utility Accounting
- 7605 Electric Utility Rates & Rate Setting
- 7606 Electric Utility Financing
- 7607 Deregulation and Competition
- 7608 Deregulation in Practice

Meter Technician Training

- 0701 Review of Electrical Fundamentals I
- 0702 Review of Electrical Fundamentals II
- 0703 The Watt-Hour Meter
- 0704 Calibration of Single-Phase Meters
- 0705 Calibration of 3-Phase Meters & Sample Testing
- 0706 Single-Phase Self-Contained Meter Installation
- 0707 Single-Phase Transformer Type Meters
- 0708 Thermal Demand Meter Operation & Calibration
- 0709 Integrating and Rectothermal Demand Meter Operation and Calibration
- 0710 Vector Analysis Delta Connections
- 0711 Metering 3-Phase Delta Systems
- 0712 Metering 4-Wire Systems
- 0713 Network Services; Measuring VARS & VA
- 0714 Polyphase Installation Verification
- 0715 Troubleshooting Polyphase Installations and Power Theft
- 0716 Specialized Metering
- 0717 Power Factor Correction and Load Factor
- 0718 Digital Metering I
- 0719 Digital Metering II
- 0720 Dealing With The Customer

Power Quality

- 4501 Power Quality Overview
- 4502 Causes of Power Quality Problems
- 4504 Solution Methods for Power Quality Problems
- 4505 Utility and Customer Roles
- 4506 System Grounding
- 4507 Grounding of Premises & Equipment
- 4508 Powering & Grounding of Electronic Equipment
- 4509 Basic Power Quality Testing & Inspection
- 4510 Power Quality Case Studies
- 4512 Designing for Power Quality - Industrial/Commercial Facilities

Power System Harmonics

- 4801 Harmonics and Static Power Converters
- 4803 Analysis, Measurement and Mitigation Techniques

System Protection Technology

- 2101 Elements of System Protection
- 2102 Types of Protective Relays
- 2103 Monitoring System Conditions
- 2104 Fault Characteristics
- 2105 Generator Protection
- 2106 Transformer Protection
- 2107 Bus Protection
- 2108 Motor Protection
- 2109 Line Protection
- 2110 Pilot Protection
- 2111 Protection for System Stability
- 2112 Testing and Commissioning of Protective Schemes
- 2113 Power Line Carrier
- 2114 Fault Investigation and Analysis
- 2115 Introduction to Static Relaying
- 2116 Coordination of Protective Devices
- 2117 Power Supply for Protection and Control Systems
- 2118 Energy Center Operations
- 2119 Telecommunications Protection I (HVSP Devices)
- 2120 Telecommunications Protection II Configuration & Installation
- 2121 Supervisory Control System (SCADA)
- 2122 Inadvertant Trips - Cause and Prevention
- 2123 Fault Calculations and Relay Settings
- 2124 Testing Techniques
- 2125 Programmable Logic Controllers