

Corporate Office

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Electrical Motor Drives

Course Description: This course covers drive theory and application, installation, testing, and troubleshooting procedures. Topics discussed include drive programming and selection of motor drives for specific applications. Other topics include drive safety, power requirements, drive components, drive startup, and motor types.

Prerequisites:

Textbooks: Electrical Motor Drive Installation and Troubleshooting

Learning Objectives:

- Identify the hazards working with VFDs
- Learn the importance of safe work practices
- Learn the load and power requirements
- Determine the proper motor and drive installation procedures
- Describe the proper operating procedure
- Learn the proper programming methods
- Discuss the proper startup procedure
- Describe the proper troubleshooting procedures
- Interpret the fault and warning codes
- Discuss the proper preventative maintenance procedures