

Course Title: Motor Controller For Machine Maintenance

Course Code: EEA 128

Course Background / Summary:

Professionals involved in manufacturing, assembly, and maintenance. Machinists, trainers, and instructors who wish to widen their knowledge of electricity on machine tools.

Course Objectives:

- Differentiate electrical magnitudes and measure on an electrical circuit.
- Differentiate control, regulation, and protection components.
- Assemble electrical circuits from a given diagram.
- Perform power and control circuits on electrical automatons with asynchronous three-phase and dc motors.
- Interpret the electric diagram of machine tools.
- Perform troubleshooting on machine tools

Target Audience:

- Professionals involved in manufacturing, assembly and maintenance and vocational training center

Course Duration: 3 Days

Course Contents

1.0 Basic electricity	6.0 Synchronous Motors
2.0 Electric Components for Signal Input	7.0 Direct Current Motors
3.0 Signaling Elements	8.0 Intro to Machine Tools System and Operation, Fault Finding Techniques, etc.
4.0 Electric Components for Signal Processing	9.0 Maintenance of Electric Systems of Machine Tools
5.0 Electrical Protection Elements	