

# ETC 108 : MOTOR CONTROLS I

This course covers the use of motor control symbols, magnetic motor starters, running overload protection, push-button stations, sizing of magnetic motor starters and overload protection, and complex ladder diagrams of motor control circuits. Topics include sizing magnetic starters and starters in control of electric motors, wye-delta starting, part start winding, resistor starting and electric starting devices. Upon completion, students should be able to understand the operation of motor starters, overload protection, interpret ladder diagrams using push-button stations and understand complex motor control diagrams. It is also taught as ELT 209 and ILT 197.

**Credits** 3

**Lecture Hours** 1

**Lab Hours** 4

**Course Tags**

CORE