IND 2054 : PROGRAMMABLE LOGIC CONTROLLERS

This course introduces control fundamentals and logic control concepts used in programming and operating Programmable Logic Controllers used in industrial processes. A computer-based simulator using LogixPRO software is used to provide initial training on Allen Bradley PLCs. The course introduces math functions, logic and bit shift instructions, compare and jump instructions, subroutine functions, and sequencer instructions. In addition to the computer-based simulator, live simulators are used in laboratories to practice programming, wiring, and operating live PLCs with input and output devices.

Credits 4
Lecture Hours 2
Lab Hours 2
Prerequisites
MTH 1003
Or higher level math course.