



East Los Angeles College

ENG TEK 151 Basic Programmable Logic Controls (PLC)

Instructor: Prof. Ghaforyfard, Paravane

Class Section: Lecture: 22270 / Lab: 22271 / 2 Units

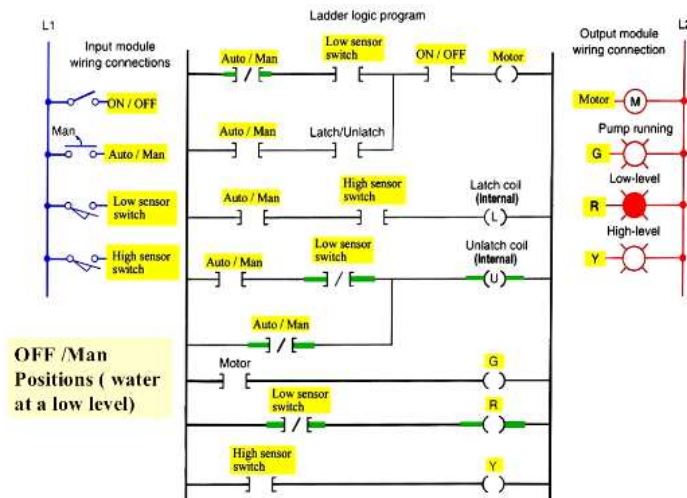
Class Schedule: E7-306 April 4th - June 9th 2025

Fri lecture 8:50 AM - 10:40 AM

Fri lab 10:40 AM - 4:30 PM

E-Mail: ghaforp@lacc.edu

Course Description: This course introduces Basic Programmable Logic Controllers, Programming Devices, Ladder Diagrams, and Designing PLC Programs for Automation Processes.



NAND

Output

A	B	Output
0	0	1
0	1	1
1	0	1
1	1	0

NOR

Output

A	B	Output
0	0	1
0	1	0
1	0	0
1	1	0

AND

Output

A	B	Output
0	0	0
0	1	0
1	0	0
1	1	1

XNOR

Output

A	B	Output
0	0	1
0	1	0
1	0	0
1	1	1

OR

Output

A	B	Output
0	0	0
0	1	1
1	0	1
1	1	1

NOT

Output

A	Output
0	1
1	0

Neg-AND

Output

A	B	Output
0	0	1
0	1	0
1	0	0
1	1	0

Neg-OR

Output

A	B	Output
0	0	1
0	1	1
1	0	1
1	1	0

XOR

Output

A	B	Output
0	0	0
0	1	1
1	0	1
1	1	0



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Contact Info: ghaforp@lacc.edu

Register for classes: elac.edu

Spring 2025 Class Begin Friday, April 4, 2025