

## CONTINUING STUDIES

APRIL 2016



### Information And Registration

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[tru.ca/trades/constudies](http://tru.ca/trades/constudies)

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## Programmable Logic Controllers - Level 1

\$ 625

April 2, 3, 16, 17 - 2016  
Saturdays and Sundays 8 am – 4:30 pm

This course is designed to introduce electricians, as well as those who are familiar with conventional motor control theory, to the basic operating principles and various field applications of Programmable Logic Controllers. The course will be based on Allen Bradley systems but will also include discussion on GE and Modicon brands. PLC software training will include a hands-on project to operate a lumber J-bar sorter. Programming instructions will include timers and counters, as well as several more advanced instructions.

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## Programmable Logic Controllers - Level 2

\$ 825

April 22, 23, 24 and May 6, 7, 8 - 2016  
Fridays 3 pm – 8 pm  
Saturdays/Sundays 8 am – 4 pm

This course is designed to take the student beyond the basic level of PLC programming and installation. It will expand on the PLC architecture, analogue I/O as well as PLC to PLC communication via Ethernet. More advanced instructions are incorporated in laboratory experiments. These include math, program control and data manipulation as well as others. An introduction to Human Machine Interfacing (HMI) to the PLC will be given. The student will be completing a number of labs involving the course theory covered.

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