

# ELT 231: Programmable Controls I

This state-of-the art course includes the fundamental principals of programmable logic controls (PLCs) including hardware and programming. Emphasis is placed on but not limited to the following: hardwiring associated with the PLC, different options available with most PLCs and basic ladder logic programming. Upon completion, students must demonstrate their ability by developing programs, loading programs into real world PLCs and troubleshooting the system if necessary.

**Credits:** 3

**Lab Hours:** 1

**Lecture Hours:** 2

**Program:** [Electrical Technology](#)