

ELEC2222 - Advanced Programmable Logic Controllers

Credits:	3 (1/2/0)
Description:	This course presents practical applications of Advanced Programmable Logic Controllers (APC) with emphasis on advanced programming techniques and analog modules, input devices and hands-on wiring of Programmable Logic Controller (PLC) circuits. PLC programs are created and installed for operation of actual electrical equipment.
Prerequisites:	<ul style="list-style-type: none">• ELEC2208
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none">1. Exhibit safe work habits.2. Identify fault codes.3. Understand sequencing instructions.4. Design PLC-controlled motor starter circuit.5. Install PLC software.6. Demonstrate stop light sequencing.7. Calculate power supply sizing.8. Troubleshoot program data.9. Interpret data transfer file.
MnTC goal areas:	None

*Can be taking as a Prerequisite or Corequisite.