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:	• ELEC2208
Corequisites:	
Pre/Corequisites*:	
Competencies:	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.*