

## ELEC2208 - Programmable Logic Controllers

Credits:	2 (1/1/0)
Description:	This course covers the theory, operation, installation, hardware, software and practical applications of programmable logic controllers (PLC). Basic PLC programming techniques for counters, timers and sequencers will be presented.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Exhibit safe work habits.</li> <li>2. Identify logic symbols.</li> <li>3. Understand PLC ladder logic diagrams.</li> <li>4. Design PLC ladder logic diagrams.</li> <li>5. Install PLC ladder diagrams.</li> <li>6. Demonstrate PLC program operation.</li> <li>7. Calculate PLC logic capabilities.</li> <li>8. Troubleshoot PLC fault codes.</li> <li>9. Interpret electrical schematics.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.