

## HVAC1104 - Heating, Ventilating and Air Conditioning Electrical Controls

Credits:	3 (1/2/0)
Description:	This course covers the wiring of typical heating and cooling circuits, as well as the installation of heating and air conditioning systems.
Prerequisites:	• HVAC1103
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Demonstrate safety and professionalism.</li><li>2. Describe heating, ventilation and air conditioning electrical systems.</li><li>3. List electrical heating and air conditioning components used in various systems.</li><li>4. Interpret electrical diagrams used in heating and air conditioning systems.</li><li>5. Draw basic heating and air conditioning electrical control diagrams.</li><li>6. Utilize electrical test equipment in advanced troubleshooting and repair.</li><li>7. Assemble components from a system wiring diagram.</li><li>8. Explain how electronic control systems operate in heating and air conditioning equipment.</li><li>9. Perform repairs and troubleshooting according to manufacturer specifications.</li></ol>
MnTC goal areas:	None

*\*Can be taking as a Prerequisite or Corequisite.*