

# 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:	<ul style="list-style-type: none"> <li>• HVAC1103</li> </ul>
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.