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:	1. Demonstrate safety and professionalism. 2. Describe heating, ventilation and air conditioning electrical systems. 3. List electrical heating and air conditioning components used in various systems. 4. Interpret electrical diagrams used in heating and air conditioning systems. 5. Draw basic heating and air conditioning electrical control diagrams. 6. Utilize electrical test equipment in advanced troubleshooting and repair. 7. Assemble components from a system wiring diagram. 8. Explain how electronic control systems operate in heating and air conditioning equipment. 9. Perform repairs and troubleshooting according to manufacturer specifications.
MnTC goal areas:	None

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

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