HVR150 : Electric Heat and Heat Pumps

Students are introduced to the principles and theory of electric heat and heat pump systems. Focus is on the equipment and controls of electric heating and how to maintain, test, and troubleshoot electrical problems. This course also provides students with a basic understanding of the principles and theory of heat pumps. The equipment and controls of air-source and geothermal heat pumps are covered. At completion of this course the student should be prepared to identify the components, trace electrical schematics, describe operating sequence, perform basic maintenance and tests in troubleshooting electric heat and heat pump systems.

Credits	4
Clock Hours	60
Lab Hours	40
Lecture Hours	20
Prerequisites	HVR105