HVR125 : Refrigerants

This course introduces the physics of the basic refrigeration cycle, refrigerants, the pressure and temperature relationship, and pressure-enthalpy to the student. The methods and principles associated with evacuation, recovery and charging of refrigeration and air conditioning equipment are explored. At the completion of this course students will be prepared to identify the main components in a refrigeration cycle, use a pressure temperature chart, measure superheat and sub- cooling, plot a pressure-enthalpy diagram, correctly recover, evacuate, and charge an air conditioning or refrigeration system within compliance of EPA608 guidelines, identify refrigerants, and determine the temperature application.

Credits	4
Clock Hours	60
Lab Hours	40
Lecture Hours	20
Prerequisites	None