

## REFR1112 - Refrigeration, Air Conditioning and Heating Lab

Credits:	3 (0/3/0)
Description:	This course covers the operation and service procedures of domestic refrigeration and an introduction to residential heating and air conditioning and commercial refrigeration equipment.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	• REFR1110
Competencies:	<ol style="list-style-type: none"><li>1. Demonstrate good and safe shop practices.</li><li>2. Troubleshoot air conditioner electrical problems with Simutech and Omnidata trainers.</li><li>3. Demonstrate parts cross-referencing and purchasing techniques.</li><li>4. Operate bench refrigeration trainer pump-down system and expansion valve.</li><li>5. Demonstrate operation of electrical systems of refrigeration bench trainer.</li><li>6. Troubleshoot refrigeration system component faults and repair.</li><li>7. Troubleshoot domestic appliance refrigeration and electrical faults.</li><li>8. Demonstrate wiring of split system air conditioning.</li><li>9. Demonstrate installation methods of appliances.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.