

## REFR1110 - Refrigeration, Air Conditioning and Heating Principles

Credits:	3 (3/0/0)
Description:	This course covers refrigeration theory of domestic refrigeration and introduction theory to commercial refrigeration and residential heating and air conditioning equipment including controls and accessories.
Prerequisites:	• HVAC1128
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Operate refrigeration/air conditioning simulators.</li><li>2. Recognize condensing methods.</li><li>3. Recognize defrost methods.</li><li>4. Recognize refrigeration evaporation methods.</li><li>5. Recognize refrigerant metering methods.</li><li>6. Recognize motor start and protection devices.</li><li>7. Explain refrigerant system accessories.</li><li>8. Explain refrigeration oil properties.</li><li>9. Explain electrical temperature control methods.</li><li>10. Recognize compression methods.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.