

# HVAC1128 - Heating, Ventilating, and Air Conditioning Design and Installation

Credits:	5 (2/3/0)
Description:	This course includes an overview of various heating controls and appliances. Topics will include blueprints as applied to estimating heating and cooling loads; gas piping as installed in residential and light commercial jobs; safe heating, ventilating and air conditioning practices; various venting codes and requirements; and the sizing of furnaces, duct work and piping.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Demonstrate on the job safety.</li> <li>2. Install sheet metal fittings.</li> <li>3. Interpret blue prints.</li> <li>4. Calculate heating, ventilating, and air conditioning building losses.</li> <li>5. Calculate equipment size.</li> <li>6. Calculate job costs.</li> <li>7. Demonstrate tool use.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.