

# AIR CONDITIONING AND REFRIGERATION TECHNOLOGY

## Residential Equipment Specialization

CERT1.HART.RESI  
CERT1.HART.RESI.27  
Fall 2008-Spring 2009

### Certificate of Proficiency - Level One

Industrial Technology  
College of Applied Technology and General Studies  
UTB-TSC

Student \_\_\_\_\_ ID# \_\_\_\_\_ Date \_\_\_\_\_  
 E-mail \_\_\_\_\_ Signature \_\_\_\_\_  
 Academic or Faculty Advisor \_\_\_\_\_ Date \_\_\_\_\_

FIRST SEMESTER		HRS	GR	SEM
HART 1301	Basic Electricity for HVAC	3		
HART 1307	Refrigeration Principles	3		
HART 1303	Air Conditioning Control Principles	3		
MAIR 1349	Refrigerators, Freezers & Window Air Conditioners	3		
<b>SECOND SEMESTER</b>				
HART 1341	Residential Air Conditioning	3		
HART 1345	Gas & Electric Heating	3		
HART 2345	Residential Air Conditioning Design	3		
HART 2338	A.C. Installation/Startup	3		
<b>THIRD SEMESTER</b>				
HART 2349	Heat Pumps	3		
HART 2301	Air Conditioning & Refrigeration Codes	3		
HART 1356	EPA Recovery Certification Preparation	3		
HART 2336	Troubleshooting <b>or</b>	3		
HART 2388	Internship			
<b>TOTAL CREDIT HOURS FOR GRADUATION</b>		<b>36</b>		

**Please review the requirements listed on this page. Once you have read them, please show your agreement by completing the signature portion at the top.**

This degree is active for six(6) years from the Catalog year above. Non-completion may require updating to an active degree. Developmental courses may be recommended based on test scores. All students must comply with Texas Success Initiatives (TSI) requirements.