Curriculum Outline
2017-2018

Manufacturing Career Cluster

Certificate - Level I - HVAC (Heating, Ventilation, Air Conditioning) CIP 15.0501

FIRST YEAR

First Semester			**Lec**	**Lab**	**Ext**	**Cont**	**Credit**
HART	1256	EPA Recovery Certification Preparation	1	3	0	64	2
HART	1301	Basic Electricity for HVAC	2	3	0	80	3
HART	1307	Refrigeration Principles	2	3	0	80	3
HART	1403	Air Conditioning Control Principles	2	4	0	96	4
		Total Hours	7	13	0	320	12

Second Semester			**Lec**	**Lab**	**Ext**	**Cont**	**Credit**
HART	1441	Residential Air Conditioning	2	4	0	96	4
HART	1445	Gas and Electric Heating	2	4	0	96	4
HART	2449	Heat Pumps	2	4	0	96	4
		Total Hours	6	12	0	288	12
		GRAND TOTAL HOURS				***608***	***24***

Verification of Workplace Competencies: Obtaining Industry Certification (NATE)