Curriculum Outline
2017-2018

Manufacturing Career Cluster

AAS - HVAC (Heating, Ventilation, Air Conditioning) CIP 15.0501

FIRST YEAR

First Semester				**Lec**	**Lab**	**Ext**	**Cont**	**Credit**
ENGL	*1301*	*Composition I*		3	1	0	64	3
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	10	14	0	384	15

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
GEN ED		*Mathematics General Education Course* [1]		3	1	0	64	3
			Total Hours	9	13	0	352	15

SECOND YEAR

First Semester				**Lec**	**Lab**	**Ext**	**Cont**	**Credit**
HART	2436	Air Conditioning Troubelshooting		2	4	0	96	4
HART	2438	Air Conditioning Installation and Startup		2	4	0	96	4
HART	2442	Commercial Refrigeration		2	4	0	96	4
SPCH	*1321*	*Business and Professional Communication* [2]		3	0	0	48	3
			Total Hours	9	12	0	336	15

Second Semester				**Lec**	**Lab**	**Ext**	**Cont**	**Credit**
ECON	*1301*	*Introduction to Economics* [3]		3	0	0	48	3
HART	2268	Practicum - Heating, Air Conditioning and Refrigeration Technology/Technician (Capstone)		0	0	8	128	2
HART	2345	Residential Air Conditioning Systems Design		2	4	0	96	3
HART	2431	Advanced Electricity for HVAC		2	4	0	96	4
GEN ED		*Humanities / Fine Arts General Education course* [4]		3	0	0	48	3
			Total Hours	10	12	8	416	15

GRAND TOTAL HOURS ***1488*** ***60***

1 Select one of the following: MATH 1314, MATH 1316, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 1414, MATH 2305, MATH 2318, MATH 2320, MATH 2412, MATH 2413, MATH 2414 or MATH 2415

2 May substitute SPCH 1311 or SPCH 1315

3 May substitute ECON 2301, ECON 2302 or PSYC 2301

4 Select one of the following: ARTS 1301, ARTS 1303, ARTS 1304, ARTS 1313, DANC 2303, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2366, DRAM 2367, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, HIST 2311, HIST 2312, HIST 2321, HIST 2322, HUMA 1301, MUSI 1306, MUSI 1307, MUSI 1310, PHIL 1301, PHIL 1304, PHIL 2303, PHIL 2306, PHIL 2307, or PHIL 2321