

Air Conditioning, Heating, and Refrigeration Technology Diploma (D35100) – 41 Credit Hours

2018-2019

Fall – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
AHR 110	Introduction to Refrigeration	2	6	5
AHR 112	Heating Technology	2	4	4
CIS 110	Introduction to Computers	2	2	3
ENG 111	Writing and Inquiry	3	0	3
Total				15

Fall – 2 nd Year				
Course Number	Course Name	Lec	Lab	Credit
AHR 113	Comfort Cooling	2	4	4
AHR 140	All-Weather Systems	1	3	2
	Mathematics Elective with Lab			4
	Major Electives			3
Total				13

Major Electives				
Course Number	Course Name	Lec	Lab	Credit
AHR 133	HVAC Servicing	2	6	4
AHR 160	Refrigerant Certification	1	0	1
<i>AHR 180</i>	<i>HVACR Customer Relations</i>	<i>1</i>	<i>0</i>	<i>1</i>
AHR 213	HVACR Building Code	1	2	2
AHR 211	Residential System Design	2	2	3
AHR 240	Hydronic Heating	1	3	2

★ - Designates classes preparing students to sit for NATE certification tests

Spring – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
AHR 111	HVACR Electricity (1st 8 week)	2	2	3
<i>AHR 125</i>	<i>HVACR Electronics (2nd 8 week)</i>	1	3	3
AHR 114	Heat Pump Technology ★	2	4	4
	Major Electives			3
Total				13

Major Electives (cont.)				
Course Number	Course Name	Lec	Lab	Credit
AHR 250	HVAC System Diagnostics	0	4	2
WBL 110	World of Work	1	0	1
WBL 111	Work-Based Learning I (and)	0	0	1
WBL 115	Work-Based Learning Seminar I	1	0	1
WBL 121	Work-Based Learning II	1	0	1
WLD 112	Basic Welding Processes	1	3	2

Bold – Core Courses (no substitutes)

Highlighted Yellow – Heating Fundamentals Certificate (C31100B)

Italics – Heat Pump Certificate (C35100C)