

# Air Conditioning, Heating, and Refrigeration Technology AAS (A35100) – 68-69 Credit Hours

2018-2019

Fall – 1 <sup>st</sup> Year				
Course Number	Course Name	Lec	Lab	Credit
<b>AHR 110</b>	<b>Introduction to Refrigeration</b>	2	6	5
<b>AHR 112</b>	<b>Heating Technology</b>	2	4	4
<b>AHR 113</b>	<b>Comfort Cooling</b>	2	4	4
CIS 110	Introduction to Computers (S)	2	2	3
<b>Total</b>				<b>16</b>

Fall – 2 <sup>nd</sup> Year				
Course Number	Course Name	Lec	Lab	Credit
AHR 115	Refrigeration Systems	1	3	2
ENG 111	Writing and Inquiry	3	0	3
AHR 140	All-Weather Systems	1	3	2
AHR 255	Indoor Air Quality	1	2	2
	Mathematics Elective			3-4
	Social/Behavioral Science Elective	3	0	3
	Major Elective			3
<b>Total</b>				<b>18-19</b>

Major Electives				
Course Number	Course Name	Lec	Lab	Credit
AHR 133	HVAC Servicing	2	6	4
AHR 250	HVAC System Diagnostics	0	4	2
BPR 111	Print Reading	1	2	2
BUS 280	REAL Small Business	4	0	4
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

\* - Designates classes preparing students to sit for NATE certification tests

Spring – 1 <sup>st</sup> Year				
Course Number	Course Name	Lec	Lab	Credit
<b>AHR 111</b>	<b>HVACR Electricity (S)</b> (1 <sup>st</sup> 8 week)	2	2	3
<b>AHR 125</b>	<b>HVACR Electronics (S)</b> (2 <sup>nd</sup> 8 week)	1	3	3
<b>AHR 114</b>	<b>Heat Pump Technology *</b>	2	4	4
<b>AHR 213</b>	<b>HVACR Building Code (S)</b>	1	2	2
<b>AHR 211</b>	<b>Residential System Design</b>	2	2	3
<b>Total</b>				<b>18</b>

Spring – 2 <sup>nd</sup> Year				
Course Number	Course Name	Lec	Lab	Credit
<b>AHR 180</b>	<b>HVACR Customer Relations</b>	1	0	1
<b>AHR 212</b>	<b>Advanced Comfort Systems</b>	2	6	4
AHR 240	Hydronic Heating	1	3	2
	Humanities/Fine Arts Elective	3	0	3
	Major Elective			6
<b>Total</b>				<b>16</b>

Major Electives (cont.)				
Course Number	Course Name	Lec	Lab	Credit
WBL 121	Work-Based Learning II	1	0	1
ELC 112	DC/AC Electricity	3	6	5
HYD 110	Hydraulics/Pneumatics I	2	3	3
<i>ISC 112</i>	<i>Industrial Safety</i>	2	0	2
WLD 112	Basic Welding Processes	1	3	2

**Bold** – Core Courses (no substitutes)

**Highlighted Yellow** – Heating Fundamentals Certificate (C31100B)

*Italics* – Heat Pump Certificate (C35100C)

(S) – Designates recommended classes for students starting in spring of the first year