

# HEATING, VENTILATION, AND AIR CONDITIONING TECHNOLOGY, A.A.S. - HVA3

## Graduation Plan

### Fall Start

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
ACR 102	Tools and Service Techniques	3
ACR 106	Basic Electricity for HVAC/R	4
ACR 108	Refrigeration Fundamentals	3
ACR 150	Basic Sheet Metal	2
COL 103	College Skills	3
<b>Hours</b>		<b>15</b>

### Spring Semester

ACR 118	Air Conditioning Fundamentals	3
ACR 131	Commercial Refrigeration	4
ACR 175	EPA 608 Certification Preparation	1
ACR 206	Advanced Electricity for HVAC/R	2
ACR 250	Duct Fabrication	3
Mathematical Requirement ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
<b>Hours</b>		<b>16</b>

### Summer Semester

ACR 107	Wiring Diagrams	2
ACR 140	Automatic Controls	3
ACR 231	Advanced Refrigeration	4
Elective Behavioral Science ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
<b>Hours</b>		<b>12</b>

### Second Year

#### Fall Semester

ACR 110	Heating Fundamentals	4
ACR 201	Troubleshooting and Maintenance	3
ACR 210	Heat Pumps	4
ENG 165	Professional Communications	3
<b>Hours</b>		<b>14</b>

#### Spring Semester

ACR 223	Testing and Balancing	3
ACR 224	Codes and Ordinances	2
ACR 242	Electronic Controls	2
ACR 252	Special Topics in Air Conditioning & Heating	2

Elective Humanities/Fine Arts ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )	3
<b>Hours</b>	<b>12</b>
<b>Total Hours</b>	<b>69</b>

### Spring Start

Course	Title	Hours
<b>First Year</b>		
<b>Spring Semester</b>		
ENG 165	Professional Communications	3
COL 103	College Skills	3
Mathematical Requirement ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
<b>Hours</b>		<b>9</b>
<b>Summer Semester</b>		
ACR 107	Wiring Diagrams	2
ACR 140	Automatic Controls	3
ACR 231	Advanced Refrigeration	4
<b>Hours</b>		<b>9</b>

### Fall Semester

ACR 102	Tools and Service Techniques	3
ACR 106	Basic Electricity for HVAC/R	4
ACR 108	Refrigeration Fundamentals	3
ACR 150	Basic Sheet Metal	2
<b>Hours</b>		<b>12</b>

### Second Year

#### Spring Semester

ACR 118	Air Conditioning Fundamentals	3
ACR 131	Commercial Refrigeration	4
ACR 175	EPA 608 Certification Preparation	1
ACR 206	Advanced Electricity for HVAC/R	2
ACR 250	Duct Fabrication	3
<b>Hours</b>		<b>13</b>

#### Summer Semester

Elective Behavioral Science ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
Elective Humanities/Fine Arts ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
<b>Hours</b>		<b>6</b>

#### Fall Semester

ACR 110	Heating Fundamentals	4
ACR 201	Troubleshooting and Maintenance	3
ACR 210	Heat Pumps	4
<b>Hours</b>		<b>11</b>

### Third Year

#### Spring Semester

ACR 223	Testing and Balancing	3
ACR 224	Codes and Ordinances	2
ACR 242	Electronic Controls	2



ACR 252	Special Topics in Air Conditioning & Heating	2
<b>Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>69</b>

Elective Humanities/Fine Arts ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )	3
<b>Hours</b>	<b>12</b>
<b>Total Hours</b>	<b>69</b>

## Summer Start

Course	Title	Hours
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### First Year

#### Summer Semester

COL 103	College Skills	3
Mathematical Requirement ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
<b>Hours</b>		<b>6</b>

#### Fall Semester

ACR 102	Tools and Service Techniques	3
ACR 106	Basic Electricity for HVAC/R	4
ACR 108	Refrigeration Fundamentals	3
ACR 150	Basic Sheet Metal	2
<b>Hours</b>		<b>12</b>

#### Spring Semester

ACR 118	Air Conditioning Fundamentals	3
ACR 131	Commercial Refrigeration	4
ACR 175	EPA 608 Certification Preparation	1
ACR 206	Advanced Electricity for HVAC/R	2
ACR 250	Duct Fabrication	3
<b>Hours</b>		<b>13</b>

### Second Year

#### Summer Semester

ACR 107	Wiring Diagrams	2
ACR 140	Automatic Controls	3
ACR 231	Advanced Refrigeration	4
Elective Behavioral Science ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
<b>Hours</b>		<b>12</b>

#### Fall Semester

ACR 110	Heating Fundamentals	4
ACR 201	Troubleshooting and Maintenance	3
ACR 210	Heat Pumps	4
ENG 165	Professional Communications	3
<b>Hours</b>		<b>14</b>

#### Spring Semester

ACR 223	Testing and Balancing	3
ACR 224	Codes and Ordinances	2
ACR 242	Electronic Controls	2
ACR 252	Special Topics in Air Conditioning & Heating	2