

HEATING, VENTILATION, AND AIR CONDITIONING TECHNOLOGY - HVA3

Graduation Plan

Fall Start

Course	Title	Hours
First Year		
Fall Semester		
ACR 101	Fundamentals of Refrigeration	5
ACR 105	Tools and Service Techniques I	1
ACR 106	Basic Electricity for HVAC/R	4
ACR 150	Basic Sheet Metal	2
MAT 170 or MAT 120	Algebra, Geometry and Trigonometry I or Probability and Statistics	3
Hours		15
Spring Semester		
ACR 109	Tools and Service Techniques II	2
ACR 131	Commercial Refrigeration	4
ACR 140	Automatic Controls	3
ENG 165	Professional Communications	3
MAT 171 or MAT 110	Algebra, Geometry and Trigonometry II or College Algebra	3
Hours		15
Summer Semester		
ACR 107	Wiring Diagrams	2
ACR 130	Domestic Refrigeration	4
ACR 160	Service Customer Relations	3
CPT 101 or CPT 169	Introduction to Computers or Industrial Computer Applications	3
Hours		12
Second Year		
Fall Semester		
ACR 110	Heating Fundamentals	4
ACR 122	Principles of Air Conditioning	5
ACR 210	Heat Pumps	4
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		16
Spring Semester		
ACR 223	Testing and Balancing	3
ACR 224	Codes and Ordinances	2
ACR 231	Advanced Refrigeration	4

Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)	3
Hours	12
Total Hours	70

Spring Start

Course	Title	Hours
First Year		
Spring Semester		
CPT 101 or CPT 169	Introduction to Computers or Industrial Computer Applications	3
ENG 165	Professional Communications	3
MAT 170 or MAT 120	Algebra, Geometry and Trigonometry I or Probability and Statistics	3
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Summer Semester		
ACR 107	Wiring Diagrams	2
ACR 130	Domestic Refrigeration	4
ACR 160	Service Customer Relations	3
MAT 171	Algebra, Geometry and Trigonometry II	3
Hours		12
Fall Semester		
ACR 101	Fundamentals of Refrigeration	5
ACR 105	Tools and Service Techniques I	1
ACR 106	Basic Electricity for HVAC/R	4
ACR 150	Basic Sheet Metal	2
Hours		12
Second Year		
Spring Semester		
ACR 109	Tools and Service Techniques II	2
ACR 131	Commercial Refrigeration	4
ACR 140	Automatic Controls	3
Hours		9
Fall Semester		
ACR 110	Heating Fundamentals	4
ACR 122	Principles of Air Conditioning	5
ACR 210	Heat Pumps	4
Hours		13
Third Year		
Spring Semester		
ACR 223	Testing and Balancing	3
ACR 224	Codes and Ordinances	2



ACR 231	Advanced Refrigeration	4
	Hours	9
	Total Hours	70