

HVAC Apprenticeship

O*Net: 49-9021.00 RA: 0637



Outline of Technical Studies

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Contact Hrs.
HVC121	HVAC Principles I	3	None	64
HVC122	HVAC Principles II	3	HVC121	64
HVC125	Sheet Metal Layout and Fabrication	4	None	80
MST121	Blueprint Reading	2	None	48
HVC224	HVAC System Operation and Troubleshooting - Cooling	3	HVC122	64
HVC227	HVAC Field Installation Techniques and Procedures	4	HVC122	80
HVC223	HVAC System Operation and Troubleshooting - Heating	3	HVC122	64
HVC234	HVAC Electrical Systems and Applications	3	None	64
MST126	Pipefitting Principles and Applications	3	None	64
		28	TOTAL	592

Course Sequence

<u>First Semester</u>	<u>Course</u>	<u>Second Semester</u>	<u>Course</u>
HVC121	HVAC Principles I	HVC125	Sheet Metal Layout and Fab
HVC122	HVAC Principles II	MST121	Blueprint Reading
<u>Third Semester</u>	<u>Course</u>	<u>Fourth Semester</u>	<u>Course</u>
HVC223	HVAC System Operation and Troubleshooting - Heating	HVC227	HVAC Field Installation Techniques and Procedures
HVC224	HVAC System Operation and Troubleshooting - Cooling	HVC234	HVAC Electrical Systems and Applications
<u>Fifth Semester</u>	<u>Course</u>	<u>Sixth Semester</u>	<u>Course</u>
MST126	Pipefitting Principles and Applications		

Revision: 09/17/2025