

Legend
Ecourse
Test & Proctored Session
Video Lab
Online Simulation

Note:
<ul style="list-style-type: none"> Sections 1, 2, & 5 must be taken in order

Note:
<ul style="list-style-type: none"> Sections 3 and 4 can be taken in the order of your choice

Virtual BuildATech Syllabus			
Introduction - Foundation			
Section	Module	Chapter	Course Name
1 Fundamentals	1	4	Safety
	2	5	Tools and Equipment
	3	1	Temperature and Pressure
	4	2	Matter and Energy
	5	3	Refrigeration and Refrigerants
Proctored EPA Test (given by manager)*			
2 Electrical	6	12	Basic Electricity and Magnetism
	7	13 &14	Introduction and Application of Automatic Controls
	8	15 & 16	Troubleshooting Basic Controls
	9		Electric Lab
	10	17	Types of Electric Motors
	11	18	Application of Motors
	12	19	Motor Controls
	13	20	Troubleshooting Electric Motors
	15		Motor Lab
Proctored Electrical Review Session (given by manager)			
3 Cooling	16	36	Refrigeration Applied to Air Conditioning
	17	10	System Charging
	18		Lennox Learning Solutions Refrigeration Charging and Evaluation
	19	8	Leak Detection, System Evaluation and System Clean Up
	20		Refrigeration Lab
	21	9	Refrigeration and Oil Chemistry
			Split System Residential AC online simulation through training mode and beginner challenge mode (Access info on yellow card)
	22	7	Tubing
	23		Tubing and Brazing Lab
	24	37	Air Distribution and Balance
	25		Lennox Learning Solutions Duct Calculator
	26	35	Comfort and Psychometrics
	27		Air Distribution Lab
			Commercial AC online simulation training mode then beginner challenge
Proctored Cooling Review Session (given by manager)			
4 Heating	28	31	Gas Heat
	29		Gas Furnace Lab
			Gas furnace online simulations training modes and then beginner challenge
	30	43	Air Source Heating Pumps
	31		Heat Pump Lab
Proctored Heating Review Session (given by manager)			
5 Technician Communication	32		
	33		Technician Communication Lab
	34		Preparing for the NATE exam
Proctored NATE Testing Session (given by FTC - call for appointment)			

*Please send EPA Test to Kathy Zarm to receive EPA Card

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