

# CURRICULUM GUIDE

Setting a path for your future education!



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[www.UANJ.org](http://www.UANJ.org)

## FIVE-YEAR HVAC APPRENTICESHIP

FIRST YEAR OF APPRENTICESHIP			
Basic Mathematics	10	Basic Electricity	20
Basic Refrigeration	30	Health & Safety (OSHA-30)	30
UA Heritage	10	First Aid/CPR	12
Copper Tube Soldering/Brazing	10	Shop and Computer Lab	78
SECOND YEAR OF APPRENTICESHIP			
EPA Refrigerant Handling Test Prep	10	Customer Relations	10
Electric II	40	Shop and Computer Lab	110
Refrigeration II	30		
THIRD YEAR OF APPRENTICESHIP			
Control Theory	20	Universal R-410A	10
Servicing & Electrical Troubleshoot	20	Refrigeration III Commercial	40
Green Awareness	10	Shop and Computer Lab	80
Rigging/Signal Qualification	20		
FOURTH YEAR OF APPRENTICESHIP			
Natural Gas Heating	20	Heat Pump Fundamentals	20
Hydronics	20	Mechanical/Electrical Systems	40
Oil Heat	20	Shop and Computer Lab	80
FIFTH YEAR OF APPRENTICESHIP			
AC Applications & Theory	20	Pneumatics	20
Building Automation Fundamentals	20	UA S.T.A.R. Test Prep	20
Applied Systems	20	Shop and Computer Lab	90
Advanced A/C Principles	10		

NOTES

**Total Hours**  
 Classroom - 1,000  
 On-The-Job - 9,000