

UA Local 13 HVACR Apprentices Curriculum for 2009 – 2010 School Year

Course of Study	Schedule	Instructor
<u>First Year Apprentices:</u>		
Heritage and Basic Math Review	Mondays Sept 8 th - Nov 16 th	Dave Giacalone
Thermal Dynamic Theory	Wednesdays Sep 9 th – Nov 18 th	Todd Mitchell
Basic Refrigeration Cycle	Mondays Nov 23 rd - Feb 15 th	Dave Giacalone
Tools, Equipment, Fasteners, Tubing	Wednesdays Dec 2 nd – Feb 17 th	Todd Mitchell
First Aid, and Soldering & Brazing	Mondays Feb 22 nd – May 3 rd	Dave Giacalone
Basic Electricity and Magnetism	Wednesdays Feb 24 th – May 5 th	Todd Mitchell
<u>Second Year Apprentices:</u>		
CRM, Refrigerant Characteristics	Mondays Sept 8 th - Nov 16 th	Fred Costanza
Electrical Motors	Wednesdays Sep 9 th – Nov 18 th	Jim Mason
Basic Comm. Ref. (Evap and Cond)	Mondays Nov 23 rd - Feb 15 th	Fred Costanza
Electrical Controls	Wednesdays Dec 2 nd – Feb 17 th	Jim Mason
Basic Comm. Ref. (Compressors)	Mondays Feb 22 nd – May 3 rd	Fred Costanza
Automatic Control Components	Wednesdays Feb 24 th – May 5 th	Jim Mason
<u>Third Year Apprentices:</u>		
Air Conditioning (Electric & Gas Heat)	Mondays Sept 8 th - Nov 16 th	Carl Colotti
Air Conditioning (Cooling)	Wednesdays Sep 9 th – Nov 18 th	Tony Vicari
Air Conditioning (Oil & Hydronic Heat)	Mondays Nov 23 rd - Feb 15 th	Carl Colotti
Air Conditioning (Controls)	Wednesdays Dec 2 nd – Feb 17 th	Tony Vicari
UA Star (Mechanical and Blueprints)	Mondays Feb 22 nd – May 3 rd	Carl Colotti
Air Conditioning (Troubleshooting)	Wednesdays Feb 24 th – May 5 th	Tony Vicari
<u>Fourth Year Apprentices:</u>		
Intermediate Ref. (Components)	Tuesdays Sept 8 th – Nov 17 th	Dave Holub
All Weather Systems	Thursdays Sept 10 th – Nov 19 th	
Intermediate Ref. (Applications)	Tuesdays Nov 24 th – Feb 16 th	Dave Holub
Heat Pumps	Thursdays Dec 3 rd – Feb 18 th	Dave Gulisano
Intermediate Ref. (Ice Machines)	Tuesdays Feb 23 rd – May 4 th	Dave Holub
Codes, Standards and CRM	Thursdays Feb 25 th – May 6 th	
<u>Fifth Year Apprentices:</u>		
Pneumatic & DDC Controls	Tuesdays Sept 8 th – Dec 15 th	Pray
Chillers & Chilled Water Systems	Thursdays Sept 10 th – Dec 17 th	Dave Gulisano
30 Hour OSHA	Tue & Thu Jan 5 th – Feb 9 th	Vendor
UA HVAC Star Review	Tuesdays Feb 16 th – May 4 th	Pray
Cooling Towers and Pumps	Thursdays Feb 11 th – May 6 th	Dave Gulisano