

Class Outline – Fall 2008

Day	Welding Shop #1	Welding Shop 2	Fitters Shop	Refrigeration Shop	Plumbing Shop	Brazing Shop	Drafting Classroom	Computer Room	Upstairs Classroom	Union Hall
Monday	Journeyman Welding Wayne Davis	2 nd Yr HVAC Commercial Refrigeration Fred Costanza	3 rd Yr HVAC Air Conditioning, (Heating) Carl Colotti	Shared 1 st , 2 nd & 3 rd HVAC Lab	3 rd Yr Plumbing Water Supply Bill Kurtz		2 nd Yr Science & Gas Installation Brandon Tumia	Intro to Computers and AutoCAD	1 st Yr HVAC Refrigeration Theory Dave Giacolone	1 st Year Math Review Steve Ostrander
Tuesday	4 th Yr Welding Pat Cliff Fred LaJuett	5 th Yr Welding: Orbital Class Nov – Dec Pat Cliff		Shared 4 th & 5 th HVAC Lab	5 th Yr & Journeyman MedGas Sept-Oct Rob Quinn	5 th Yr & Journeyman MedGas Sept-Oct Rob Quinn		5 th Yr HVAC Chillers Dave Gulisano	4 th Yr HVAC Intermediate Refrigeration Dave Holub	
Wednesday	1 st Yr. Solder, Braze, OAC, & Welding Cacia, Holtz, Russo		2 nd Yr Steam Systems Clint Byer	Shared 1 st , 2 nd & 3 rd HVAC Lab	3 rd Yr Plumbing Drainage Kevin Sheehan		2 nd Yr HVAC Electric Motors & Controls Jim Mason	3 rd Yr HVAC Air Conditioning (Cooling) Tony Vicari	1 st Yr HVAC Practical Fundamentals Todd Mitchell	
Thursday	Journeyman Welding Tony Messina		4 th Yr HVAC All Weather Systems, Heat Pumps Rob Clyde	Shared 4 th & 5 th HVAC Lab	4 th Yr Advanced Plan Reading Terry Moore		5 th Yr Plumbing Code Dan Donals		5 th Yr HVAC Pneumatic and DDC Controls Pray / Currier	
Saturday	Journeyman Welding Tom McNicholas									

- 1) All weekday classes will begin at 5:00 pm and end at 8:30 pm
- 2) Saturday morning welding will begin at 7:00 am and end at 11:00 am
- 3) All Apprentices must report for the first day of school - Tuesday, September 2nd.

UA Local 13 Construction Apprentice Curriculum for 2008 – 2009 School Year

Course of Study	Schedule	Instructor
<u>First Year Apprentices: (10)</u>		
Math, Pipefitting Intro	Mondays Sept 8 th – Dec 15 th	Steve Ostrander
Solder, Braze, OAC, Welding Intro	Wednesdays Sep 3 rd – Dec 17 th	Holtz / Russo
Safety, First Aid, Rigging, Tools	Mondays Jan 5 th – May 4 th	Kevin Sheehan
Heritage, Electricity, Plan Reading	Wednesdays Jan 7 th – May 6 th	Caternolo / DeCarlo
<u>Second Year Apprentices: (8)</u>		
Related Science, Gas Installation	Mondays Sept 8 th – Dec 15 th	Brandon Tumia
Steam Systems	Wednesdays Sep 3 rd – Dec 17 th	Clint Byer
Isometric Drawings	Mondays Jan 5 th – May 4 th	Brandon Tumia
Hydronic Heating and Cooling	Wednesdays Jan 7 th – May 6 th	Clint Byer
<u>Third Year Apprentices: (12)</u>		
Plumbing (Water Supply)	Mondays Sept 8 th – Dec 15 th	Bill Kurtz
Plumbing (Drainage)	Wednesdays Sep 3 rd – Dec 17 th	Kevin Sheehan
Plumbing (Fixtures), Pipefitting	Mondays Jan 5 th – May 4 th	Kurtz / Accaiao
Pipe Welding I	Wednesdays Jan 7 th – May 6 th	Cacia / Holtz / Russo
<u>Fourth Year Apprentices: (16)</u>		
Pipe Welding II	Tuesdays Sept 2 nd – Dec 16 th	Cacia / Cliff / LaJuett
Advanced Plan Reading	Thursdays Sept 4 th – Dec 18 th	Terry Moore
ASME Welding Code / Pipe Welding III	Tuesdays Jan 6 th – May 5 th	McNic / Cliff / LaJuett
Drawing Coordination / CAD Level 1	Thursdays Jan 8 th – April 30 th	Moore / Roselli
<u>Fifth Year Apprentices: (7)</u>		
* Medical Gas	Tuesdays Sept 2 nd – Oct 7 th	Quinn
* Orbital Welding	Tuesdays Oct 14 th – Dec 16 th	Cliff / Landers
Plumbing (Code)	Thursdays Sept 4 th – Dec 18 th	Dan Donals
30 Hour OSHA	Tue and Thu Jan 6 th – Feb 10 th	Vendor
<u>Fifth Year Electives (Minimum 2 Classes)</u>		
Cad Level 2	Mondays Feb 16 th – May 4 th	Mitch Roselli
Adv. Welding (TIG, GMAW, FCAW)	Tuesdays Feb 17 th – May 5 th	Messina / Landers
Foreman / Supervision	Wednesdays Feb 11 th – Mar 25 th	Terry Moore
Medical Gas	Wednesdays Apr 1 st – May 6 th	Rob Quinn
Plumbing Star and Code Test Review	Thursdays Feb 12 th – April 30 th	Dan Donals
* 5th Year Apprentices who already have Medical Gas or Orbital Welding Certification will be placed in the Tuesday (4 th yr) Welding Class.		
<u>Continuing Education</u>		
Journeyman Welding	Mondays Sept 8 th – May 25 th	Wayne Davis
Journeyman Welding	Thursdays Sept 4 th – Dec 18 th	Messina
Saturday Welding	Saturdays Sept 13 th – May 30 th	Tom McNicholas
Residential Program	To Be Announced	
Heritage / Steward Class	To Be Announced	
Medical Gas Certification	Tuesdays Sept 2 nd – Oct 7 th	Quinn
Orbital Welding Certification	Tuesdays Oct 14 th – Dec 16 th	Cliff / Landers
10 Hour OSHA Certification	As Needed	Vendor

Please note:

The Fall 2008 Semester is 16 weeks, the Spring 2009 Semester is 18 Weeks.

The last night of regular classes for the 2008 – 2009 School Year will be Wednesday, May 6th

UA Local 13 HVACR Journeyman Curriculum for 2008 – 2009 School Year

The Local 13 Training Office is once again offering HVAC Courses to Journeyworker Members of Local 13 who are interested in expanding their knowledge and skill base. Classes are offered in the Evening, and will begin at 5:00 and end at 8:30 PM.

Interested members must sign up in the Training Office, and make a commitment to attending all classes in the prescribed course of study.

Course of Study	Schedule	Instructor
<u>Level 1:</u>		
Heritage and Basic Math Review	Mondays Sept 8 th - Nov 17 th	Dave Giacolone
Thermal Dynamic Theory	Wednesdays Sep 3 rd – Nov 19 th	Todd Mitchell
Basic Refrigeration Cycle	Mondays Nov 24 th - Feb 16 th	Dave Giacolone
Tools, Equipment, Fasteners, Tubing	Wednesdays Dec 3 rd – Feb 18 th	Todd Mitchell
First Aid, and Soldering & Brazing	Mondays Feb 23 rd – May 4 th	Dave Giacolone
Basic Electricity and Magnetism	Wednesdays Feb 25 th – May 6 th	Todd Mitchell
<u>Level 2:</u>		
CRM, Refrigerant Characteristics	Mondays Sept 8 th - Nov 17 th	Fred Costanza
Electrical Motors	Wednesdays Sep 3 rd – Nov 19 th	Jim Mason
Basic Comm. Ref. (Evap and Cond)	Mondays Nov 24 th - Feb 16 th	Fred Costanza
Electrical Controls	Wednesdays Dec 3 rd – Feb 18 th	Jim Mason
Basic Comm. Ref. (Compressors)	Mondays Feb 23 rd – May 4 th	Fred Costanza
Automatic Control Components	Wednesdays Feb 25 th – May 6 th	Jim Mason
<u>Level 3:</u>		
Air Conditioning (Electric & Gas Heat)	Mondays Sept 8 th - Nov 17 th	Carl Colotti
Air Conditioning (Cooling)	Wednesdays Sep 3 rd – Nov 19 th	Tony Vicari
Air Conditioning (Oil & Hydronic Heat)	Mondays Nov 24 th - Feb 16 th	Carl Colotti
Air Conditioning (Controls)	Wednesdays Dec 3 rd – Feb 18 th	Tony Vicari
UA Star (Mechanical and Blueprints)	Mondays Feb 23 rd – May 4 th	Carl Colotti
Air Conditioning (Troubleshooting)	Wednesdays Feb 25 th – May 6 th	Tony Vicari
<u>Level 4:</u>		
Intermediate Ref. (Components)	Tuesdays Sept 2 nd – Nov 18 th	Dave Holub
All Weather Systems	Thursdays Sept 4 th – Nov 20 th	Rob Clyde
Intermediate Ref. (Applications)	Tuesdays Nov 25 th – Feb 17 th	Dave Holub
Heat Pumps	Thursdays Nov 20 th – Feb 19 th	Dave Gulisano
Intermediate Ref. (Ice Machines)	Tuesdays Feb 24 th – May 5 th	Dave Holub
Codes, Standards and CRM	Thursdays Feb 26 th – May 7 th	Rob Clyde
<u>Level 5:</u>		
Chillers & Chilled Water Systems	Tuesdays Sept 2 nd – Dec 16 th	Dave Gulisano
Pneumatic & DDC Controls	Thursdays Sept 4 th – Dec 13 th	Currier/Pray
30 Hour OSHA	Tue & Thu Jan 6 th – Feb 10 th	Vendor
Cooling Towers and Pumps	Tuesdays Feb 17 th – May 6 th	Dave Gulisano
UA HVAC Star Review	Thursdays Feb 12 th – May 7 th	Currier / Pray

Note: All courses at a given level must be completed before you can advance to the next. Journeyworkers would have an opportunity to “test-out” of classes if they feel they already understand the material. We will use the Unit Review Questions from each course as the Test-out Exam.