



CONTINUING EDUCATION

Journeyperson training is now incorporated into the apprenticeship classes. The enclosed training outline shows blocks of training that Journeypersons can enroll in.

Most classes run weeknights with a few having an occasional Saturday. Weeknight classes run from 5:00 p.m. or 5:30 p.m. until 8:00 p.m. or 8:30 p.m.

Registration is on a first come, first served basis until the class is full. The International Training Institute's Scholarship Loan Agreement must be signed on the first session of class.

All blocks of training will be held unless unforeseen circumstances arise.

To schedule a block of training:

Call 309-682-3141 to sign up.

Email your registration to smw1jatc@gmail.com

HAZARDOUS COMMUNICATIONS STANDARD

As of December 1, 2013, it is required that all employers must have their employees trained in the new Hazardous Communications Standard (Global Harmonized System of Classification and Labeling of Chemicals). Employees must be trained in the new label elements and the Safety Data Sheets (SDS) format. The training on label elements must include the following items: Product Identifier, Signal Word, Pictogram, Hazard Statement(s), and Precautionary Statement(s). Name, address and phone number of the chemical manufacturer, distributor, or importer.

This new Standard is a focal point for OSHA. Several of our members have been approached by OSHA and asked if they have this training. **EMPLOYERS ARE BEING FINED FOR NONCOMPLIANCE OF THIS NEW STANDARD!** Please contact us if you are interested in this training.

CRANE SIGNALING/HOISTING & RIGGING TRAINING

Prerequisite: Must have an OSHA 10 card

Crane Signaling Training fulfills the requirements of a Qualified Signaler under the new OSHA CFR 1926 Subpart CC. for Cranes & Derricks Rule. A Signaling Student Wallet Card and Signaling Certificate will be issued upon successfully completing the class. This training is required by OSHA to signal and work safely with Cranes. Please contact us if you are interested in this training.

Another avenue of training that is available is through the International Training Institute on their online training learning portal.

The website is www.sheetmetal-iti.org. Go to Login. Go to the Training Catalog tab. Listed first is the online classes available.

On the following page is that same list. Steps to take if interested in one of these classes:

1. Contact our office and we will arrange the class.
2. This class can be taken on your own computer in the convenience of your home or on one of our computers in the computer lab.

Once again the contact information is:

Telephone: 309-682-3141 or
Email: smw1jatc@gmail.com

Online Training - Learning Portal

COURSE	LOCATION	DATES	DEADLINE	SEATS	
Supervisory Training	Learning Portal	Open Enrollment	Open Enrollment	N/A	_____
Fire Life Safety Level One Technician	Learning Portal	Open Enrollment	Open Enrollment	N/A	_____
Foreman Training	Learning Portal	Open Enrollment	Open Enrollment	N/A	_____
Fire Life Safety Level Two Technician	Learning Portal	Open Enrollment	Open Enrollment	N/A	_____
Benchmark Overview	Learning Portal	Open Enrollment	Open Enrollment	N/A	_____
AutoCAD Exercises	Learning Portal	Open Enrollment	Open Enrollment	N/A	_____
JAC/JATC Trustee Awareness	Learning Portal	Open Enrollment	Open Enrollment	N/A	_____

Spring 2018 Classes

3RD. Quarter

The following classes will be offered starting on Jan.2 or 3, 2018 at 5:30 P.M.
Starting times & Dates may be changed to accommodate all students for each class.
See schedules below or call the school for more details.

1st. Year - Core - 1/2/18 thru 3/20/2018 - Tuesdays & Thursdays (23 nights).

Layout of the following fittings.

Layout principles.

Starter duct w/6" round take-off.

Duct assembly - Useless Fitting.

4- different rectangle elbows including a drop cheek elbow.

Math as used in figuring cut sizes.

4 - different rectangle transitions.

Ogee offset including the use of a calculator in the layout.

A (2 - way y-branch).

A Square to Round transition.

3rd. Year - Commercial - 1/2/2018 thru 2/27/2018 - Tuesdays & Thurs. (17 nights)

Industrial - System Design - Basic Overview of the following items.

Hood & Duct Design, Materials & Movement, Material Properties, Duct Diameter, C.F.M.,

Materials & Movement

Material Properties

Duct Diameter

C.F.M.

C.F.M. Practical Application

Collection

Hood Capture velocity

System Types

Transport Velocity & Duct Dia. Calculation

Creating Air Velocity in a Blowpipe System

Conveyors

Separation

Filtration

Seismic Bracing Ventilation & Exhaust Systems

3rd. Year - Commercial - 3/1/2018 thru 3/20/2018 - Tuesdays & Thurs. (6 nights)

Auto CAD Basics

Learn Auto CAD basic Commands

Learn how to make Basic Drawings in Auto CAD

4th. Year - Commercial - 1/2/2018 thru 3/8/2018 - Tues. & Thurs. (20 nights).

WELDING G.T.A.W.

G.T.A.W. INTRO.
SAFETY INSPECTIONS
MAKE MINOR REPAIRS
MATERIALS & APPLICATION
BASIC GTAW SETUP
EQUIPMENT OPERATION
TYP. S.M. JOINTS
BEADS ON FLAT PLATE
GTAW PRACTICE - 2 NIGHTS
GTAW WELDING ,GRINDING ,& POLISHING (FOOTBALL)

2nd. Year - Residential - 1/3/2018 thru 3/19/2018 - Mon. & Weds. (22 Nights).

H.V.A.C. Residential Electric & Gas Furnaces - 5 Classes

Components, Schematics, Venting, Gas Piping, Control Wiring, Set-up, Start-up, Checkout, & Troubleshooting
Flat Seam Roofs
Fab. & Installation of all types.

H.V.A.C. Residential A.C. - Air conditioners/Heat Pumps - 8 Classes

Components & Wiring, Sizing Linesets & Installing, Brazing & Soldering,
Evacuating & Charging Units, Heat Pumps Components & Wiring, Troubleshooting.

H.V.A.C. Residential - Geothermal - 6 Nights .

Components Models & Theory, Installing diff. Types of Loops, Fusing Geo. Pipes & Fittings,
Flushing & Filling Loops, & Flow Centers, Ducting & Wiring, Set-up & Check-out - H.E. & H.R.

H.V.A.C. Residential -Zoning & I.A.Q. - 3 Nights

Products, Brands & Types, Wiring & Sizing, Humidifier Installation & Wiring,
U.V. Lights, E.A.V. & E.R.V. Installation.

1st. Year Service- 1/2/2018 thru 3/7/2018 Tuesdays & Wednesdays (20 Nights).

**ALL SERVICE CLASSES SHOWN BELOW REQUIRE GOOD KNOWLEDGE
OF ELETRICITY & YOU MUST BE ABLE TO READ SCHEMATICS.**

Copper Piping - 7 Nights.

Hands on working with copper tubing.

Bending,Swagging, Flaring, Soft Soldering,Silver Soldering, & Brazing.

Air Conditioning - 13 Nights

Basic & Advanced Wiring Diagrams, Schematics, Intro. To cooling, Components & operation,
Cycle on & cycle off, heat pumps, Chillers, Installation & Service, C.F.C.'s, Startup.

3rd. Year Service - 1/2/2018 thru 3/20/2018 Tuesdays & Wednesdays - 23 Nights.

Refrigeration (Using the Modern Refrigeration Book & On line simulation program).

Commercial ice machines,Special refrig. System Components,
Application of Refrigeration Systems, Special refrigeration Applications,

Compressors

Compressors, Compressor Teardown, States of Refrigeration,

Economizers

Starters, Relay logic, Enthalpy Logic.

Numerous hands on application of all the above.

4th. Quarter

The following classes will be offered starting on Dates shown below at 5:30 P.M.
Starting Times & Dates may be changed to accommodate all students for each class.
See schedules below or call the school for more details.

1st. Year - Core - 3/22/2018 thru 4/26/2018 - Tuesdays & Thursdays (12 nights).

Oxy.-Acetylene Cutting & Welding

Safety W-Oxy. Fuels

Oxy.-Acetylene Cutting W-Practice

Oxy. Fuel Welding & Brazing W-Practice

Carbon Arc Welding

S.M.A.W. - Intro to Power Sources, Electrical Power Fundamentals & Controls

At least 3 Nights of Practice time.

3rd. Year - Commercial - 3/22/2018 thru 5/5/2018 - . & Thurs. (15 nights)

Architectural Work.

Fabrication & Installation of the following items.

Fascia & Soffit.

Siding.

Scupper & Head.

Gutters.

4th. Year - Commercial - 3/13/2018 thru 5/3/2018 - Tues. & Thurs. (17 Nights).

Orientation - Power Equipment Operation

Hands on operation of Press Brakes, Power slip rolls, Power shears, Rotary Machines,
Saws, Rotary Punch, Plasma Cutter, Iron Worker.

3 - Trips to PIPCO (Equipent - Shear, Brakes, Plasma Cutter,
Saw, Auto-Brake, Rolls).

Industrial - Mod. 4 - Power Equip. Operation - School Shop -
Hands-on Shear & Pressbrake

Industrial Mod. 5 - Lagging

3rd. Year Service and

2nd. Year - Residential - 3/21/2018 thru 5/5/18 - Mondays & Weds.(14 Classes).

B.P.I.

Day1 (2 Nights)- Training Overview,Health & Safety,Building Science Fundamentals,Air Movement,Moisture,Building Envelop, Thermal Bypasses & Air Sealing,Blower Door Technology,

Activities - M.S.D.S. - Quiz - Identifying Home Styles - Blower Door Setup

Day 2 (2 Nights)- Pressure Diagnostics,Building Ventilation,Human Ventilation,Insulation,Windows & Doors,Base Load,Client Interaction,Outdoor Inspection,Heat Load Calc.,Cost Benefit Analysis, Combustion Science.

Activities - Quiz - Calc. Composite R-Value,Bill Disaggregation & Base Load, Calc. BAS, BTU Savings, & Cost Benefit Analysis.Client Interview

Day 3 (2 Nights) - HVAC Distribution Systems,Elec. Heat Pumps & A/C, Combustion Appliance Venting,Domestic Hot Water Heating, Furnaces,Boilers,Space Heaters,Combustion Safety Teating, Testing Gas Stoves,Testing Vented Combustion Appliances,

Activities -Quiz, Worst Case Depressurazation,Identifying HVAC & Domestic Hot Water Components.

Day 4 (2 Nights)- Envelop Professional Training - Training Overview, Health & Safety,Air Sealing,Insulation Prep,Blowing Insulation, Dense Packing,Duct System Diagnostics,Sealing & insulating Duct Systems,Ventilation,Advanced Pressure Diagnostics,Testing Out. 2 Nights for Field Testing

1st. Year Service- 3/13/2018 thru 4/28/2018 Tuesdays & Wednesdays (15 Nights).

ALL SERVICE CLASSES SHOWN BELOW REQUIRE GOOD KNOWLEDGE OF ELETRICITY & YOU MUST BE ABLE TO READ SCHEMATICS.

2 Nights - Lab. For Basic Split Sys.,Refrigerant Gauges,Vacuum Pump, Reclaimer,Dry Nitrogen Tank,Refrig. Tank, & Safety Equip.

2 Nights - Service Lab Projects (ITI Service Lab Manual12.7,12.17, 12.10&12.11,12.8 & 12.9,12.12-12.16)

4 Nights - Lab Projects - Maintenance on Split System A/C's & Roof Top Units.

2 Nights - Lab project - Hermetic Compressor Change out.

3 Nights - E.P.A. - C.F.C. Certifications