

SHEET METAL WORKERS' UNION LOCAL 73
NIGHT CLASSES

Sheet Metal Workers' Local 73 Apprentice & Journeymen's Training Fund will be offering night classes for members of Local 73.

Classes will be conducted at the

**Sheet Metal Workers' Local 73 Training Facility located at
2701 Van Buren, Bellwood.**

You must register by calling the Training Facility
starting at 8:00 am on Wednesday, February 19, 2025

Telephone registration will be accepted until the class begins only if space is available.
A current dues receipt must be presented on the first night of class.

The following night classes will be offered:

**Basic MIG Welding, Basic Tig Welding, Fire Smoke Damper Technician,
Revit, AutoCAD, Service Residential A/C, Duct leakage/Pressure Testing
Architectural, VAV & FPB/Terminal Units, OSHA 30 Lift Training,
IAQ Ventilation Verification, Clean Room Hood, Trimble, CPR-AED-First Aid**

For class details, log on to **www.smw73.org**, Click on Training, Journeyman,
Night Class schedule, or call the school at (708) 544-5711.

**Fire Smoke Damper
Technician Certification**

March 3 – April 2, 2025

Mon/Wed 4:30 – 7:30 p.m.

This class covers competency in installation, inspection, and maintenance of fire, smoke, combination fire/smoke dampers. The class will conclude with the certification test.

VAV Terminal Units

March 25 – April 3, 2025

Tue/Thurs 4:30 – 7:30 p.m.

This class will cover the basics of setting up a VAV terminal unit. This class can be applied toward ICB CEU's.

Prerequisites:

None

Pressure Testing /Duct Leakage

March 4 – March 13, 2025

Tue/Thurs 4:30 – 7:30 p.m.

This class will cover the method of testing the leakage rate of a specified section of a duct system and to verify that the leakage is within job specifications. This class can be applied to ICB CEU's.

Prerequisites:

None

Fume Hood Performance Testing

May 12– May 21, 2025

Mon/Wed 4:30 – 7:30 p.m.

The purpose of this course is to provide background knowledge essential to understanding the effective operation of laboratory fume hoods and the means for measuring their performance according to the standard published by the American National Standards Institute (ANSI) and the American Society of Heating, Refrigeration and Air-Conditioning Engineers.

Indoor Air Quality

April 7 – May 7, 2025

Mon/Wed 4:30 – 7:30 p.m.

The Indoor Air Quality class will be a process of taking measurements of airflow, pressures, and air quality.

The selection of the correct filters for 8U as well as troubleshooting for sick building syndrome. This class also includes information about HEPA filters and Merv ratings as per AHU's

Prerequisites:

You must be a Certified Balancer to take the certification test.

Basic GMAW (MIG)

March 4 – May 22, 2025

Tue/Thurs 4:30 – 7:30p.m.

This class in GMAW (MIG):

- ♦ Basic terminology & theory
- ♦ Identification & operation of equipment
- ♦ Safety in welding
- ♦ Standard welding symbols
- ♦ Hands on welding of typical joint designs and positions
- ♦ Proper P.P.E. is required.

Prerequisites:

This class is an introduction to the GMAW process. No prerequisite is required; however, an understanding of the arc welding basics is recommended.

Personal Welding PPE Equipment required.

Basic GTAW (TIG)

March 3 – May 21, 2025

Mon/Wed 4:30 – 7:30 p.m.

This class in GTAW (TIG) includes:

- ♦ Terminology & theory
- ♦ Operation of equipment
- ♦ Safety in welding
- ♦ Standard welding symbols
- ♦ Hands on welding of typical joint designs and positions
- ♦ Welding of stainless steels
- ♦ Welding of aluminum
- ♦ Proper P.P.E. is required.

Prerequisites:

This class is an introduction to the GTAW process. No prerequisite is required; however an understanding of the arc welding basics is recommended.

Personal Welding PPE Equipment required.

Architectural Sheet Metal

March 4 – May 22, 2025

Tue/Thurs 4:30 – 7:30p.m.

The first six weeks of this class will introduce flashing systems as they pertain to the roofing industry. This class will include measuring and fabricating coping, gravel stops, saddle flashing, counter flashing, and standing seam roofs.

The second six weeks of this class will include: composite panel fabrication and installation including extrusions and required flashing.

We will introduce composite panel systems, including fabrication and installations of panels.

Prerequisites:

None

OSHA 30

April 1 – May 8, 2025

Tue/Thurs 4:30 – 7:30 p.m.

This is a thirty-hour safety awareness class. Upon completion you will receive the OSHA-30 Certification Card.

CPR/AED/First Aid

May 13 – May 22, 2025

Tue/Thurs 4:30 – 7:30 p.m.

This class will include lecture and hands on with AED trainers and CPR manikins with LED feedback to meet all American health Association requirements. At the completion of the course all participants meeting the requirements will receive an American Heart Association certification card.

REVIT

March 4 – May 22, 2025

Tue/Thurs 4:30 – 7:30 p.m.

This course will include:

- ♦ REVIT sketching, modifying and systems tools.
- ♦ System Projects
- ♦ Working with views, spaces and zones
- ♦ HVAC, plumbing & electrical networks.
- ♦ Advanced HVAC systems
- ♦ Creating & annotating construction documents
- ♦ Adding tags, schedules & details

Advance AutoCAD

March 4 – May 22, 2025

Tue/Thurs 4:30 – 7:30 p.m.

This course will include:

- ♦ Sketching, modifying and systems tools.
- ♦ System Projects
- ♦ Working with views, spaces
- ♦ Heating & cooling load analysis
- ♦ Advanced HVAC systems
- ♦ Creating & annotating construction documents
- ♦ Adding tags, schedules & details
- ♦ Modifying drawings for as built

Prerequisites:

Some AutoCAD experience required.

HVAC Service Cooling

March 3 – May 21, 2025

Mon/Wed 4:30 – 7:30 p.m.

This course will cover residential cooling systems.

- ♦ Air Conditioning
- ♦ Books and Charging Charts
- ♦ Thermodynamics of Refrigerants
- ♦ System Process
- ♦ Component Parts
- ♦ Tools
- ♦ Superheat/Sub-cooling
- ♦ R-22/410A properties
- ♦ 410A Certificates
- ♦ Troubleshooting
- ♦ Local Codes-installation
- ♦ Brazing/Soldering
- ♦ Recovery, Evacuation, Charging Units
- ♦ CFC Preparation – CFC 608/609 Certification

Prerequisites:

None

Aerial Work Platform Training

May 13 – May 22, 2025

Tue/Thurs 4:30 – 7:30 p.m.

This course will include instructions regarding the inspection, application and operation of the aerial platform, including the recognition and avoidance of hazards. Training is based on ISO 18878, meets OSHA and ANSI requirements, and leads to the issue of a AWPT Card.

Trimble Total Station Training

March 13 – March 22, 2025

Mon/Wed 4:30 – 7:30 p.m.

This is a two-night class that teaches you surveying terminology and field experience using Trimble Total Station devices.

Prerequisites:

None