

Night School Classes Spring, 2019

Sheet Metal Workers Local #73 Apprentice & Journeymen's Training Fund will be offering night school 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 a.m. on Wednesday, February 6, 2019. A current dues receipt must be presented on the first night of class. No early registration will be accepted. The following classes will be offered:

OSHA 30 February 12 – March 19, 2019 Tues/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.

Aerial Work Platform Training March 26 – April 4, 2019 Tues/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 PAL Card, which is recognized by organizations around the world as proof of training.

Hoisting & Rigging Training April 23 – May 2, 2019 Tues/Thurs 4:30 – 7:30 p.m.

Course fulfills the training requirements of a Qualified Rigger under new OSHA CFR 1926 Subpart CC, for Cranes & Derricks Rule. A Hoisting and Rigging Student Card and Certificate will be issued upon successfully completing the class. This training is required by OSHA for rigging work on job sites.

Suspended Scaffold Safety Training March 16, 2019 Saturday 8:00 a.m. – 3:00 p.m.

Students will receive their City of Chicago approved suspended access training certificates after completing this program. Photo ID cards will be provided at the completion of the training class.

Trimble Totalstation Training March 5 – March 28, 2019 Tues/Thur 4:30 – 7:30 p.m.

This course teaches you surveying terminology and field experience using Trimble Totalstation devices.

This is 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

Advanced Welding Toward Certification

February 25 – May 15, 2019

Mon/Wed 4:30 – 7:30 p.m.

An advanced welding class for preparing to take an AWS Certification Test.

- ♦ Terminology & theory
- ♦ Safety in welding
- ♦ Interpretation of standard welding symbols
- ♦ Welding of coated and uncoated mild steels
- ♦ Welding in the vertical and overhead plate positions

Prerequisites:

4 to 5 years of welding experience with an understanding of the basic fundamentals of arc welding.

Basic SMAW

February 26 – May 16, 2019

Tue/Thur 4:30 – 7:30 p.m.

An introduction to the Shielded Metal Arc Welding process including:

- ♦ Basic terminology & theory
- ♦ Identification & operation of equipment
- ♦ Safety in welding and cutting
- ♦ Interpretation of standard welding symbols
- ♦ Hands on welding of typical joint designs and positions
- ♦ Welding of carbon steel
- ♦ Oxy-Acetylene cutting of plate steel
- ♦ Proper P.P.E. is required

Prerequisites:

This class is an introductory class for journeymen/women with little or no welding experience or with no formal instruction in the welding processes.

REVIT

February 12 – May 2, 2019 Tue/Thur 4:30 – 7:30 p.m.

This course will include:

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

Prerequisites:

Advanced AutoCAD – This class is a continuation of the Detailing curriculum and is open to those who have completed Advanced AutoCAD. Limited seating is available. Please call the Training Center with any questions.

VAV Terminal Units

March 4 – March 13, 2019 Mon/Wed 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

April 1 – April 10, 2019 Mon/Wed 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

Fan Systems

May 6 – May 15, 2019 Mon/Wed 4:30 – 7:30 p.m.

This course will include:

- ♦ Safety around fans
- ♦ Testing fans
- ♦ Fan curves
- ♦ Selecting fans
- ♦ Field measuring and troubleshooting

This class can be applied toward ICB CEU's.

Prerequisites:

None

Telephone registration will be starting on February 6, 2019 by contacting the Apprentice/Training Center Office at (708) 544-5711 from 8:00 a.m. until 3 p.m. Do not leave a message as no registration will be accepted via voice mail.