



# Sheet Metal Workers Local 20 Joint Apprenticeship & Training Committee

2828 East 45th Street, Suite A  
Indianapolis, Indiana 46205  
(317) 541-0050 • 1-800-835-4531  
www.smw20training.com



## CONTINUING EDUCATION NIGHT CLASSES

All classes are held at the **Indianapolis Training Facility**, start at **5:00 pm** & last 3 hours. Classes are limited in size. The following classes will be offered:

- GMAW 5 weeks Mondays starting October 18<sup>th</sup>
- MATH 5 weeks Tuesdays starting October 19<sup>th</sup>
- BASIC HEATING 5 weeks Tuesdays starting October 26<sup>th</sup>
- LAYOUT 5 weeks Wednesdays starting October 20<sup>th</sup>
- BASIC TAB 5 weeks Wednesdays starting October 20<sup>th</sup>
- BASIC AUTOCAD 5 weeks Thursdays starting October 21<sup>st</sup>

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- FIRST AID 1 class (5pm-9pm) Tuesday December 7<sup>th</sup>
- CPR 1 class (5pm-9pm) Tuesday December 14<sup>th</sup>
- OSHA 10 2 Saturday Classes (7am-Noon) December 4<sup>th</sup> & 11<sup>th</sup>

Please make your selections and return this form to [ssnapp@smw20training.com](mailto:ssnapp@smw20training.com) by **October 8<sup>th</sup>, 2021**.

If you have any questions, call the **Apprenticeship Office** at 317-541-0050.

NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/ STATE/ ZIP: \_\_\_\_\_

EMAIL: \_\_\_\_\_ SS# \_\_\_\_\_

JOURNEYMAN:  APPRENTICE:  PRE-APPRENTICE:  CLASSIFIED:  INDUSTRIAL:

**GMAW:** Includes the fundamentals of Gas Metal Arc Welding (GMAW) theory and hands on exercise. Materials welded will be carbon steel, stainless steel, and aluminum. The beginning of the class will allow the participants to practice, going through a series of exercises, and the class will finish with a welding procedure review, practice time, and may have the opportunity to earn an AWS D9.1 Certification.

**MATH:** This class is designed for members who want to refresh their sheet metal math skills. Curriculum covered will be basic math, geometry, and trigonometry applicable to the sheet metal industry.

**SERVICE –BASIC HEATING:** This class will cover the basics of servicing a residential furnace. The class will also focus on the fundamentals of basic electricity as it pertains to the service of furnaces. Upon completion, the participants should have a working knowledge of residential furnaces, components, and electricity.

**LAYOUT:** This class will cover parallel line development, radial line development, and triangulation. Drafting, shop layout, and fabrication will be utilized throughout the course.

**BASIC TAB:** This class will cover the basic aspects of testing and balancing air systems. Items covered will include taking air flow measurements, proper use of electrical measuring devices, taking electrical measurements, fan laws and proportional balancing.

**AUTOCAD:** Learn the basic commands and fundamentals of AutoCAD. Progress of the class is subject to the ability of the students and will gear towards HVAC duct drawings. Basic computer skills are a requirement.

**FIRST AID:** This class will cover the First Aid as it relates to the construction industry.

**CPR:** Members will receive a CPR (cardiopulmonary resuscitation) certification upon completion of this class.

**OSHA 10:** This class will cover all safety issues required to obtain an OSHA 10 card. Mandatory attendance of both classes is required to receive the OSHA 10 card.