

Sheet Metal Joint Apprenticeship Training Committee of San Diego

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Since all these courses AutoCAD, Sheet Metal/HVAC Detailing, and Revit will be via Zoom below are the system requirements for your computers.

System requirements for AutoCAD 2019 including Specialized Toolsets	
Operating System	<ul style="list-style-type: none"> • Microsoft® Windows® 7 SP1 with Update KB4019990 (32-bit & 64-bit) • Microsoft Windows 8.1 with Update KB2919355 (32-bit & 64-bit) • Microsoft Windows 10 Anniversary Update (64-bit only) (version 1607 or higher) <p>See Autodesk's Product Support Lifecycle for support information.</p>
Processor	<p>Basic: 2.5–2.9 GHz processor Recommended: 3+ GHz processor</p>
Memory	<p>Basic: 8 GB Recommended: 16 GB</p>
Display Resolution	<p>Conventional Displays: 1920 x 1080 with True Color</p> <p>High Resolution & 4K Displays: Resolutions up to 3840 x 2160 supported on Windows 10, 64 bit systems (with capable display card)</p>
Display Card	<p>Basic: 1 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant Recommended: 4 GB GPU with 106 GB/s Bandwidth and DirectX 11 compliant</p>
Disk Space	6.0 GB
Browser	Google Chrome™ (for AutoCAD Web)

2021 JATC TRAINING SCHEDULE

The classes and courses listed in this training catalog are designed for SMART Local 206 members who wish to further their education and/or enhance their technical skills. You must be a member in good standing with Local 206 to participate in any training from the Joint Apprenticeship Training Committee (JATC), International Training Institute (iTi), or Sheet Metal and Air-Conditioning Contractors National Association (SMACNA) of San Diego.

Please read through this schedule thoroughly. If you are interested in taking any of the training offered, please call the **JATC Training Center at 619-265-2758** to sign up and reserve your seat. If the class or course is already full you will be placed on the waiting list for the next available, one. All training is filled on a first come first serve basis. Most training requires a refundable deposit which will only be reimbursed upon successful completion of that class or course. We encourage you to take advantage of this training as it is a valuable addition to the tool box above your shoulders.

Apprentice Entrance Exams

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
W	4/7	1	8:00am-4:30pm	Local 206 Auditorium	Proctor, Miles	NDR
W	10/6	1	2:00-3:30pm	Local 206 Auditorium	Proctor, Miles	NDR

If you or someone you know would like to apply to enter the **Sheet Metal Workers Apprenticeship Program**, there are a few steps that is required to be eligible to take the Entrance Exam. All applicant must be at least 18 years old to become an apprentice.

1. Complete an online application on the SMART Local 206 website @ <http://smwlocal206.org>
2. Submit the three required documents: High School Diploma and/or High School Transcripts OR GED, a Photo ID, and a Proof of Age document, i.e. birth certificate or passport.

Documents can be submitted either via email to LPatterson@smj Jatc.org or in person to the JATC office and we will make copies for you. After completing the application and submitting the three required documents you are now eligible to take the Entrance Exam either in April or October.

Study materials and a sample math exam can be found on the SMART Local 206 website and are also available at the Training Center. Entrance Exam preparation classes are held at the Training Center prior to the exam and are free to all applicants. In order to be eligible to take the Exam preparation classes through the Local 206 Apprenticeship Training Center, applications and all documents must be submitted to the JATC prior to enrollment.

If you or someone you know is unable to apply for the Apprenticeship program because they never completed High School, we have resources to help. We have information to free programs that can help any applicant get their Diploma and/or GED. Don't let this current barrier keep you from succeeding in the future! **GO BACK AND FINISH SCHOOL FOR YOU AND YOUR FAMILY!**

Apprenticeship Entrance Exam Preparation Classes

These preparation classes are designed to prepare and reinforce the skills needed to take the math and spatial recognition portions of the exam. These classes are offered only twice a year and are a total of 3 hours in duration each night. These classes are split up into two nights. The first night will cover the math and the second night will cover spatial recognition. **All Classes will be virtual via Zoom.** Zoom login information will be provided to an applicant once an exam session time has been assigned.

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
W	3/24	1	4:30-7:30pm	Via Zoom	Fox	NDR
TH	3/25	1	4:30-7:30pm	Via Zoom	Fox	NDR
W	9/29	1	4:30-7:30pm	Via Zoom	Fox	NDR
TH	9/30	1	4:30-7:30pm	Via Zoom	Fox	NDR

MEMBER UPGRADE TRAINING

AutoCAD Course

This course is designed to teach the necessary skills and procedures on how to operate the AutoCAD software as a drafting tool for the sheet metal/HVAC Industry. This course will focus on the fundamental commands that will enable the student to successfully draw 3D objects from the introduction through advanced levels. This course is 15 weeks in duration and a total of 90 hours of training. **All classes are via Zoom.**

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
T TH	1/5-4/13	29	4:30-7:30pm	Via Zoom	Fox	\$50.00
T TH	6/1-9/7	29	4:30-7:30pm	Via Zoom	Fox	\$50.00

Sheet Metal/HVAC Detailing

This course is designed to teach the technical skills required to become a detailer in the sheet metal industry. This course will cover researching contract documents, RFI's, equipment cut sheets, submittals, and utilizing CAD MEP Fabrication. The prerequisite to this course is you must have a solid foundation in AutoCAD or have completed the JATC AutoCAD course. This course is 6 weeks in duration and a total of 36 hours of training. **All classes are via Zoom.**

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
T TH	4/20-5/27	12	4:30-7:30pm	Via Zoom	Fox	\$25.00
T TH	10/5-11/16	11	4:30-7:30pm	Via Zoom	Fox	\$25.00

No class on Monday, November 11th

Forklift Training Class (Classroom Portion):

This class will prepare each participant for a forklift license certification through classroom lecture and theory. The classroom portion never expires once completed. There are two things needed in order to obtain a forklift license certification. First, each member must have record of completing the classroom portion from the JATC. Second, each member must pass the practical portion (driving) at their place of employment on each site specific lift. For example, if you were trained on a forklift with one employer and then went to work with another employer who had a similar but different forklift, you **ARE NOT** certified on the site specific forklift. Both you and your employer are not in OSHA compliance and are subject to fines. You must be trained on each make and model that you are operating. Forklift certifications need to be renewed every three years. If you are currently certified on a forklift with your employer and that forklift make and model has not changed then you simply just need to renew your forklift certification card through the JATC. This is done through your employer. **We are planning to do classes via Zoom, if by time class starts, we can hold classes in person we will do so.**

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
W	4/21	1	4:30-6:30pm	Via Zoom	Lightfoot	\$25.00
W	11/13	1	4:30-6:30pm	Via Zoom	Lightfoot	\$25.00

Hoisting, Rigging, & Signaling

This class is designed to teach the proper use of crane safety through the methods of hoisting, rigging and signaling. Each participant who successfully completes the class will receive a wallet size certification card as well as a certificate of completion. This certification meets all general contractor requirements to be a qualified rigger on any construction site utilizing a hydraulic or tower crane.

Many general contractors have implemented that any sub-contractor needing to utilize a crane must have a detailed pick plan and use qualified riggers to perform the work. Per current industry standards this certification does not expire once the class has been completed. Each participant must have at least three years of sheet metal experience to qualify for this class. **We are planning to do classes via Zoom, if by time class starts, we can hold classes in person we will do so.**

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
W	5/12	1	4:30-8:00pm	Classroom 2	Lightfoot	\$25.00
W	9/23	1	4:30-8:00pm	Classroom 2	Lightfoot	\$25.00

Revit Course

This course is designed as an introduction on how to use the latest Autodesk Revit MEP for fabrication software. This course will cover exporting files, importing to CAD MEP, exporting to Revit system, Revit concepts, design workflow, part layout, loading databases, and reviewing of project models to name a few. The prerequisite to this course is each participant must have taken and completed the JATC AutoCAD course or a similar course with another educational institution. This course is 5 weeks in duration and a total of 30 hours of training. **All classes are via Zoom.**

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
M W	4/26-6/3	10	4:30-7:30pm	Via Zoom	Fox	\$25.00
M W	10/4-11/3	10	4:30-7:30pm	Via Zoom	Fox	\$25.00

Scaffolding Safety and User's Awareness Class

This class covers the use of Frame, Pole, Rolling and Tubular scaffolds. This class will cover the proper methods of scaffold use, erection, inspection, and maintenance. General Contractors are now requiring that any personnel using scaffolding on a project must have taken Scaffold Training or User's Awareness Training. **We are planning to do classes via Zoom, if by time class starts, we can hold classes in person we will do so.**

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
TH	7/22	1	4:30-7:30pm	Via Zoom	Lightfoot	\$25.00

Service & Start Up

This course is designed to introduce the participant to the basics of a service technician. This course will be classroom theory with instructor showing demonstrations via virtual reality. The course will go over system design, heating, cooling, refrigeration, leak detection, equipment troubleshooting, tools, safety practices and system charging. This course will also prepare each participant to take and pass the latest 9th Edition EPA 608 Exam in Core, Type I, Type II, and Type III. This EPA Certification Exam will be given as part of the curriculum and the exams will be purchased by the JATC at no cost to the participants. Participants' passing all four sections will have earned a Universal EPA Certification. This course will be a total of 60 hours of training. **All classes are via Zoom.**

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
M W	1/18-4/5	19	4:30-7:30pm	Via Zoom	Luyo	\$25.00

No classes on January 20th, February 15th, March 17th

TAB Certification "Prep" Course

This course is designed to teach the student from entry level to the experienced level the necessary technical skills to become a Testing, Adjusting, and Balancing (TAB) Certified Technician. This course is a combination of classroom theory and lecture as well as hands on practical training. To become a TAB Certified Technician each participant must successfully pass the International Certification Board (ICB) online exam as well as pass the practical exam at the Local 105 Training Center Certified TAB Lab in City of Industry.

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
M TH	6/3-1/16	29	4:30-7:30pm	HVAC Lab	Wright	\$25.00

No class July 5, September 6.

TAB Online Testing

S	9/25	1	8:00am-1:00pm	Classroom 1 (computer lab)	Miles	NDR
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Title 24 CEC Mechanical Acceptance Testing Technician Course

This course has a prerequisite. Each participant must be a Certified TAB Technician to receive this training. This course will cover the California Code of Regulations Title 24, Part 1, Section 10-103-B for Nonresidential mechanical acceptance tests in Outdoor Air Ventilation Systems, Constant Volume, Single Zone Unitary Air Conditioners and Heat Pumps, Air Economizer Controls, Demand Control Ventilation Systems, Supply Fan Variable Flow Controls, and Automatic Demand Shed Controls. Participants will also be required to take and pass the Acceptance Testing Technician Exam administered by National Energy Management Institute Committee (NEMIC) and the International Certification Board (ICB).

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
M-TH	9/27-9/30	3	4:00-8:00pm	HVAC Lab	Wright	NDR

Title 24 Testing

M	10/4	1	4:00-8:00pm	Classroom 1		
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Trimble Total Station Training

This course is designed to introduce the participant to the Trimble Robotic Total Stations being used by many of our Signatory Contractors. Designed specifically for MEP, the Total Station training will be both classroom lecture as well as hands on training and will cover four main topics. 1.) How to correctly setup and establish control of a project area. 2.) Using a Total Station to layout hangers, hole openings, wall openings and/or other layout that is required in the Sheet Metal Industry. 3.) How to correctly load data that has been created by a Detailer via a 3D drawing program and point layout software to locate those points. 4.) How to collect data via the Total Station.

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
S	9/18	1	7:00am-3:30pm	Local 206 Auditorium	Fox	\$25.00
S	12/11	1	7:00am-3:30pm	Local 206 Auditorium	Fox	\$25.00

Welding Courses

These courses are designed to introduce the participant to welding and/or enhance their welding skills and overall knowledge of the welding process for the sheet metal industry. **This is not a certification course!** Welding certification exams can be set up in the future based on the student's welding competencies.

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
Introduction to Welding						
W TH	7/7-8/12	9	4:30-7:30pm	Weld Shop	Galindo	\$25.00
<i>No class on Monday February 19, 2021 for President's Day.</i>						
GMAW & SMAW (MIG & STICK)						
W TH	8/18-9/16	10	4:30-7:30pm	Weld Shop	Galindo	\$25.00
GTAW (TIG)						
W TH	9/29-11/28	9	4:30-7:30pm	Weld Shop	Broadfoot	\$25.00

Welding/Brazing Certification Testing and Renewals

These pre-scheduled sessions are days that members can renew their current certifications or try to obtain a Brazing or Welding Certification in the process of GMAW, FCAW, SMAW, and GTAW. All welding certification exams consist of both written and practical portions. You must have knowledge of welding to sign up for the certification test day. These test sessions are not training sessions. They are designed to give each member a convenient time to renew or take a certification exam. Remember, Structural D1.1 certification expire every 6 months and light gauge D9.1 certification expire every 12 months.

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
S	8/11	1	8:00am-4:30pm	Weld Shop	Baker	\$25.00
S	10/9	1	8:00am-4:30pm	Weld Shop	Baker	\$25.00

Technician Advancement Courses

These courses are designed to enhance and improve the technical skills and overall knowledge of the sheet metal industry for all participants. Technicians "C-A" are required to take these courses annually to receive an advancement in wage and classification level. Each participant is expected to maintain 100% attendance to receive course credit. All members who successfully complete these courses will receive a certificate of completion from the JATC.

DAYS	DATES	SESSIONS	TIME	LOCATION	INSTRUCTOR	DEPOSIT
Technician C & D Course						
M W	7/5-8/4	9	4:30-7:30pm	Classroom 2	Broadfoot	NDR
Technician A & B Course						
M W	8/9-9/13	10	4:30-7:30pm	Classroom 2	Broadfoot	NDR

REQUIRED MEMBER CERTIFICATION CLASSES

CPR/First Aid Classes:

All members must hold a valid certification in CPR and First Aid in order to be dispatched from the SMART Local 206 office. Students will learn how to recognize many life-threatening emergencies such as providing CPR, relieving choking, and providing first aid to injured victims. This certification expires every two years, and all members are required to retake the course in order to renew their certifications. All participants will receive a wallet size certification card. Do to COVID_19 restrictions, we are directing members to take the online CPR/First Aid courses from the Save a Life website. **Contact the Local 206 office for instructions. (619) 265-0501.**

Construction Safety/Fall Protection Classes

All members must hold a valid certification in Construction Safety and Fall Protection in order to be dispatched from the SMART Local 206 office. Due to COVID-19 restrictions, we are directing members to take the OSHA 10 or 30 online course to replace Construction Safety in person classes. Contact the Local 206 office for instruction (619) 265-0501.

2021 Observed Holidays

The JATC Training Center is closed with no classes on:

New Year's Day - Friday, January 1st

Martin Luther King Day - Monday, January 18th

Presidents Day - Monday, February 15th

Memorial Day - Monday, May 31st

Independence Day - Monday, July 5th

Labor Day - Monday, September 6th

Veterans Day - Thursday, November 11th

Thanksgiving Day - Thursday, November 25th and Friday, November 26th

Christmas Eve - Friday, December 24th

Christmas Day - Saturday, December 25th

Online Courses offered from the iTi and SMACNA of San Diego:

These courses are designed to enhance your technical skills with a more convenient schedule to the member. Online courses consist of:

International Training Institute (iTi):

- AutoCAD Exercises
- Fire Life Safety Level One Technician (Certification Course)
- Fire Life Safety Level Two Technician (Certification Course)
- Foreman Training
- Introduction to Lean Construction
- Supervisory Training

Please visit www.sheetmetal-iti.org for details. If you do not already have a user profile you will need to create one. All courses listed above are free to all members in good standing.

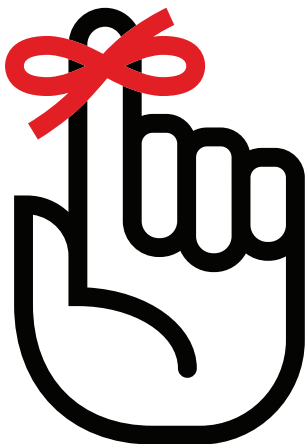
SMACNA of San Diego

Confined Space Entry Training for Construction (OSHA 29 CFR 1910.146)

OSHA 10

OSHA 30

Please visit www.sd-smacna.org under *Virtual Training* for details. Please follow all the instructions listed to be eligible for tuition reimbursement from SMACNA of San Diego.



Reminder:

You must be registered in order to attend any of the above training: This schedule may be subject to change at the discretion of the JATC.

If you have any questions regarding the training being offered in this schedule please feel free to contact Lorenzo Miles, JATC Training Director, at 619-265-2758 or LMiles@smjatc.org.

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2021

TRAINING SCHEDULE