

Houston Carpenters & Millwrights Training Center

**The new home of manpower solutions
for the Gulf Coast Construction Industry**

Grand Opening Celebration

Tuesday, April 3, 2018

5500 Spencer Highway
Pasadena, Texas, 77505



Welcome to the new Houston Carpenters & Millwrights Training Center!



This 52,000 square-foot facility represents a multi-million dollar investment into the Gulf Coast region's future, established specifically to cater to the needs of the industrial and petrochemical sectors. The Center is minutes from the hub of activity in these industries and is already producing elite professionals proficient in safety, technical and jobsite leadership skills.

Inside this structure, we solve the region's skilled manpower shortage through **a commitment to workforce development and training**. It is also home to Carpenters Local 551. This combination of training and administration better services our employers, customers, members and the community. By what is learned on our shop floor and in classrooms, we are providing a workforce that increases the productivity of our employers, which in turn enables our region to be more competitive.



Our new facility will also create new jobs. Local men and women apprentices can obtain about \$20,000 in free training and launch a career that provides the wages and benefits for a decent standard of living for themselves and their families.



The Texas Carpenters & Millwrights Training Trust Fund spends about \$3 million each year to present our training program. The foundation of this unmatched learning comes from the United Brotherhood of Carpenters. The UBC has trained carpenters and millwrights for over 135 years and spends more than \$200 million annually to deliver skill and leadership training to its half-million apprentices and journeymen, including right here along the Gulf Coast.

Our proprietary training gives our members an edge to perform work in a responsible, safe, timely, accurate manner. They are trained in the latest industry certifications, as well as technologies, tools, installation methods, and safety. We also teach the importance of having the right attitude and being productive on the job.

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MANY THANKS

Many thanks to the talented men and women who helped make this facility a reality...

The United Brotherhood of Carpenters and Joiners of America, General President **Douglas J. McCarron** and the entire **General Executive Board**, with a special thanks to **Dennis Donahou**, UBC Southern District Vice President.

Randy Sowell and **Carmen Visser**, Real Estate Division of the UBC.

The members of the **Central South Carpenters Regional Council** and **Southern States Millwrights Regional Council**

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Inside the Training Center



A team of highly trained and experienced professional instructors oversees all courses, whether for apprentices or journey-level carpenters and millwrights.

Safety is an integral part of everything we do. Safety glasses and appropriate clothing (including adequate footwear) are worn at all times by everyone in the work area. Overhead sprinklers, clearly marked and easily accessible fire extinguishers, emergency showers, eye-wash stations, sinks and hand washing stations are strategically placed throughout the facility.

Because safety and productivity is not an “either-or” proposition for us, we stress safety from the first minute of training, as our members hone skills and refine productivity.

All students are required to keep the work area tidy at all times. Excess materials are either put back in storage or disposed of daily. At the end of each day’s session all tools are packed up and put in storage. Any debris that is created is collected and disposed of throughout the day and at the end of the day’s training session. All stationery power equipment, such as table saws, are housed in a separate area. We also operate a dust collection system.

We also partner with our contractors to tailor training for specific jobsite requirements by

offering curriculum development an on-the-job training program. We send experienced instructors to the job site to hone the skills of crews based on needs identified by our employers.

Apprentices are instructed at the Training Center during four non-consecutive weeks a year. Apprenticeship instruction takes place on a typical workday schedule (40 hours, Monday through Friday). On average, there are 30 apprentices being trained here any given week. The carpenter apprentice must combine 16 weeks of instruction in the classroom/lab, along with 5200 hours of on-the-job training under the supervision of a journeyman. The millwright apprentice must complete 20 weeks of classroom/lab training

along with 5200 hours of supervised on-the-job, in order to graduate from the program. It usually takes an apprentice four years to complete the program and graduate to journey-level.

For journeymen, the Training Center is fully prepared to support both carpenter and millwright journeymen with upgrade training and special projects training as needed.

In addition to hands-on training, the Center provides classroom instruction in a variety of subjects, such as first-aid/CPR, print reading, construction safety, mathematics, and human performance.



Scaffolding—A proprietary, three-year scaffold apprenticeship and journeyman skill upgrade program provides ongoing training uniquely designed for the Gulf Coast industrial community. The program is intense, with requirements that every scaffolder must complete before being dispatched to a jobsite.

- Scaffold 60-hour and 40-hour
- OSHA 30
- Scaffold erector, user, and industrial qualifications
- Fall protection

- 16-hour welded frame and mobile tower
- 16-hour tube and clamp scaffold
- 20-hour systems scaffold
- 8-hour scaffold user
- 40-hour industrial scaffold
- Rough terrain forklift
- Aerial lift

Interior Systems—Mockups are used for metal framing, soffits and ceilings, door hardware, drywall and metal framing evaluation, top-out practices, RotoZip training, and more.

Continued



Inside the Training Center (continued)



ICRA for Occupied Healthcare Facilities—

This best practices for the health care industry training provides apprentices and journeymen alike with the essential construction practices to ensure patient safety. Whether creating negative air pressure environments or risk evaluations, this program is designed to control contaminants for the safety of patients and staff working in healthcare.

Millwrights—A millwright shop provides for introduction to Millwrighting, machinery alignment, machinery installation, pump repair, reciprocating and centrifugal compressors, G.E. turbine familiarization, mechanical print reading, mechanical power transmission, rigging and signaling, conveyors, and more.

Welding—There are 10 CleanAir America welding booths with Lincoln Electric FlexTec welders along with a virtual welding machine to train in the processes of Stick, DC TIG, MIG, Flux-Cored, and Arc Gouging.

Classrooms—There are eight classrooms that seat 22 in each. Four of the classrooms can be converted to one large classroom (approximately 100 students) or two semi-large classrooms (approximately 50 students each). Instructors have access to 65-inch flat screen monitors in each room, along with glass whiteboards. Overhead digital cameras are also provided to allow instructors to capture images needed for learning.

Our training courses focus on creating experts who specialize in:

- Industrial scaffolding
- Concrete forms
- Interior systems
- Metal stud framing
- Millwrighting
- Trim & fixture
- Floorcovering
- Tradeshow assembly
- Occupied healthcare facility construction infection control
- Drywall application
- Welding
- Pump repair
- Turbines
- Compressors
- Conveyors

Just a sample of courses offered at the Houston Training Center includes:

- Scaffold erector
- Rigging & signaling
- Interior systems layout
- Exterior metal framing
- Interior finish
- Commercial doors and hardware
- Drywall applications
- Ingersol-Rand door hardware certification
- Fire stop installation
- ICRA best practices in healthcare facilities
- Tradeshow installation & dismantle
- Tradeshow rigging
- Aerial lift
- Blood borne pathogens
- Ergonomics
- Hazard communication and chemical safety
- OSHA 10 & 30
- Green building awareness
- Millwright 16-hour safety
- Construction fall protection
- Industrial fork truck
- Rough terrain fork truck
- Hytorc
- Gas turbine familiarization
- Confined space
- Building layout
- Builders level and transit
- Concrete forms
- Clean room fabrication



Today's **Central South Carpenters** and **Southern States Millwrights** are all business, and their training, testing, and on-the-job leadership translates into a highly refined level of professional whose productivity — and positive attitude — cannot be matched.

For more information, contact **David Barron**, Houston Training Coordinator, at **david.barron@tcmddf.com** or **713-641-0275**.



**Texas Carpenters
and Millwrights
Training Trust Fund**

