

WORLD CLASS TRAINING

Means UA Technicians Meet the Needs of Today's Piping Industry

For more than a century, the United Association of Journeymen and Apprentices (Union of Plumbers, Fitters, Welders, & Service Techs) has been dedicated to excellence. To maintain these high standards of performance, the UA provides the best training available.

At the UA Local 342 Training Center, Plumbers & Steamfitters Local Union 342 apprentices reach the leading edge of technology through a demanding five-year Apprenticeship Program in one of the following specialty areas:



- HVAC & Refrigeration
- Plumbing
- Steamfitting
- Welding

Each specialty demands Local 342 apprentices learn a comprehensive body of technical knowledge about materials, procedures, and regulations.

In addition to attaining technical proficiency in their specialty, UA Local 342 members must also build a general knowledge in subjects such as math, science, and workplace safety. They acquire skills in a variety of areas; including brazing, welding, drafting,

computer-aided design, hydronics and electronic and pneumatic controls.

Apprentices also master the tools and techniques of the Trade as they work under supervision at the job site, which means they earn a good living while they learn!

Apprentices and Journey-level members of UA Local 342 attend evening classes at the Training Center, on their own time.

This is an example of their personal commitment to excellence.



The UA Local 342 Training Programs provide classroom instruction and hands-on training in a variety of plumbing and Piping Trade specialty areas. These include:

Plumbing (New Construction)

New construction, installation, service and repair of plumbing systems, water and gas piping, and fixtures in homes, commercial enterprises, and other institutions

Backflow Prevention & Cross-Connection Control

Service, repair, and certification to protect water purity and public health

Welding & Orbital Welding

Shielded metal arc and tungsten inert gas welding; soldering and brazing; computerized welding for high purity systems

Plastic Pipe Fusion

Bead and crevice-free, socket, butt and infrared jointing

Industrial Instrumentation

Installation and maintenance of modern high-tech instrumentation and control systems

High Purity Process Piping Systems

For micro-electronic, pharmaceutical and biotechnology processes

Computer Skills

The basics of computer operation and CAD drawing; computerized energy management systems and direct digital controls

Drafting & Mechanical Drawing

Advanced plan reading and related drawing; materials identification and takeoff



Heating, Air Conditioning & Refrigeration, Controls & Compressor Rebuild

Installation, service, repair and refrigerant recovery and recycling; pneumatic, electronic and fiber optic controls; compressor tear-down and rebuilds; air and water balance; and centrifugal water chillers design, operation and controls

Medical Gas

Installation, service and repair of systems that provide life-giving oxygen and other gases to hospital patients

Steam Technology

Testing and troubleshooting steam and hydronic systems; boiler installation and controls

Indoor Air Quality

Maintaining health and safety for building occupants

Customer Service/Safety

Interpersonal and communication skills; project management; health and safety codes; Plumbing Code; Mechanical Code; Fire Protection Code; chemical safety; hazard communications; CPR & first aid

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