



Pittsburgh Regional
Building Trades Council
Building Better Together

APPRENTICESHIP TRAINING INFORMATION



Master Builders' Association
Of Western Pennsylvania, Inc.



Local Union #154



Local Union #9



Local Union #526



Local Union 66



Local Union #5

Mason Contractors Association
of Western Pennsylvania



Local Union #2



Local Union #37



District Council #57



Local Union #6

Build On >>>

Careers in the Building and Construction Industry

Professional. Skill. Commitment. Pride.

These are among the hallmarks of the men and women of Western Pennsylvania's Union Construction Industry. You can join tens of thousands of professional craftspeople who have learned and honed their skills in one of our tuition-free apprenticeship programs. Not only is there no tuition, you'll be paid and receive health and pension benefits while in apprenticeship training.

An added benefit is that many of these programs allow you to earn up to 44 college credits towards an associate degree related to the construction industry – at no cost to you.

The opportunities to build a long-term, well compensated, and fulfilling career are virtually endless. Take the first step: Contact any of these Joint Apprentice Training Centers (JATCs) directly for more information on application and class schedules.

To apply, persons must:

- Be at least 18 years of age at the time their class begins;
- Have a high school diploma or GED (High School Seniors may apply prior to graduation);
- Have a valid Driver's License;
- Have reliable transportation; and
- Maintain a drug-free lifestyle.

The Builders Guild of Western Pennsylvania is a unique, non-profit labor/management initiative, representing 17 building trade unions, nine affiliated general and specialty contractor associations, and the Pittsburgh Regional Building Trades Council. The Builders Guild is a positive forum for labor, management, and community relationships, and fosters a cooperative and productive climate for regional construction development.

The Guild is focused on these primary initiatives:

- Promoting the professionalism, skill, commitment, and pride of union construction
- Creating and promoting opportunities for long-term careers in the construction trades among our region's citizens
- Building a diversified workforce representative of our region's demographic profile
- Facilitating diverse partnerships with like-minded organizations throughout Western Pennsylvania





BOILERMAKERS

LOCAL UNION #154 JATC

1221 Banksville Road • Pittsburgh, PA 15216

PH: 412-343-3072

www.boilermakerslocal154.com

Boilermakers Local Union #154 represents members in western Pennsylvania, two counties in Ohio and two counties in West Virginia.

The skills learned in training include: boiler making, welding, acetylene burning, asbestos abatement, chipping, caulking, reaming, fiberglass laminating, rigging, riveting, stack work, steel erection, tube rolling, and impact machine operating.

Boilermakers work on a variety of projects and work sites, including cement and fertilizer plants, water treatment facilities, breweries, steel mills, power plants, electric power generation plants, gas turbines, gas processing plants, refineries, pulp and paper mills, and other industrial and commercial facilities.

CLASSROOM HOURS: 576 (4-5 Years)

HOURS ON-THE-JOB TRAINING: 6,000 (4-5 Years)

Counties of Jurisdiction: PA: Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Clearfield, Elk, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, McKean, Mercer, Somerset, Venango, Warren, Washington, Westmoreland. WVA: Brooke, Hancock. OH: Columbiana, Jefferson.



BRICKLAYERS & ALLIED CRAFTS

LOCAL UNION #9 JATC

100 Kingston Drive • Pittsburgh, PA 15235
PH: 412-825-0923
www.local9pa.com

Bricklayers and Allied Crafts Local Union #9 represents tradespeople in the trowel trades across western Pennsylvania that include Bricklayers, Stone Masons, Marble Workers, Pointer-Cleaner-Caulkers, Tile Workers, and Terrazzo Workers.

Bricklayers: Build walls, partitions, arches, fireplaces, chimneys, and other structures from bricks, blocks, structural tile, and other pre-made materials.

Stone Masons and Marble Workers: Construct walls, partitions, arches, fireplaces, and other structures from natural and cultured stone and marble.

Pointer-Cleaner-Caulkers: Restore masonry buildings; reinstall mortar; replace bad caulking; clean and point masonry, stone, and brick surfaces.

Tile Workers: Working with ceramic tile or other natural and man-made tile products, these craftspeople build and restore walls, flooring, and other amenities in commercial and residential settings.

Terrazzo Workers: Often artistic work in nature, Terrazzo Workers build and install concrete or epoxy-based flooring, stairs, sidewalks, and driveways in hospitals, schools, and other commercial construction.

CLASSROOM HOURS: 576 (4 Years)

HOURS ON-THE-JOB TRAINING: 6,000 (4-5 Years)

Counties of Jurisdiction:

Bricklayers Local #9 – (Pittsburgh Brick Chapter) - Allegheny County (Washington Chapter) – Washington, Greene (Johnstown Chapter) - Cambria, Bedford, Blair, Fulton, Huntingdon, Somerset (New Castle/Beaver Chapter) - Butler, Lawrence, Mercer (Clarion Chapter) - Venango, Forest, Jefferson, Clearfield, Clarion (Warren Chapter) - Cameron, Elk, McKean, Potter, Warren (Greensburg Chapter) - Armstrong, Fayette, Indiana, Westmoreland (Erie Chapter) – Erie, Crawford

Pittsburgh Allied Crafts Chapter – (Stone Masons, Terrazzo Workers, Tile Finishers, Tile Setters, Tile & Marble Finishers, Pointers, Cleaner & Caulkers) – Allegheny, Armstrong, Beaver, Bedford, Blair, Butler County, Cambria, Cameron, Clarion, Clearfield, Crawford, Elk, Erie, Fayette, Forest, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, Mercer, McKean, Potter, Somerset, Venango, Washington, Warren, Westmoreland.



CARPENTERS

EASTERN ATLANTIC STATES REGIONAL COUNCIL OF CARPENTERS

652 Ridge Road • Pittsburgh, PA 15205
PH: 412-262-1830 • www.kmlcarpenters.org

Eastern Atlantic States Regional Council of Carpenters represents members across Pennsylvania, New Jersey, the District of Columbia, Virginia, West Virginia, Maryland, and parts of North Carolina. There are six certified apprenticeship programs available:

Commercial Carpenters: Construct, erect, install, and repair structures and fixtures of wood, plywood, metal studs, and wallboard. They also erect framework in buildings, which include subflooring, partitions, and rafters. They also install molding, wood paneling, cabinets, windows, doors and hardware, and build stairs and forms for concrete work.

Heavy Highway Carpenters: Build and assemble forms for concrete structures such as bridges, retaining walls, tunnels, subways, drainage structures, hydro-electric developments, locks, dams, and sewage treatment projects.

Floor Coverers: Install all types of flooring materials, including carpet, sheet vinyl, tile, wood, and laminates, as well as materials for sports surfaces. They replace and repair floors in residential, commercial, and industrial settings.

Mill Cabinet Workers: Specialize in customized woodworking, designing and creating furniture, and fabricating and installing permanent fixtures from wood, including cabinets, moldings, door frames, and interior stairs.

Millwrights: Construction mechanics install/maintain turbine systems, conveyor systems, large machinery for factories and other industrial settings.

Pile Drivers: Build and maintain all types of piling and caissons, and specialize in foundations for buildings, dams, and bridges.

CLASSROOM HOURS: 576-880 (4 Years)

HOURS ON-THE-JOB TRAINING: 5,200 (4 Years)

Counties of Jurisdiction:

(Commercial Carpenters): Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Fayette, Forest, Greene, Lawrence, Mercer, Washington, Westmoreland.

(Heavy Highway Carpenters): Clearfield, Clinton, Columbia, Crawford, Cumberland, Dauphin, Erie, Fayette, Franklin, Forest, Fulton, Greene, Huntingdon, Indiana, Juniata, Jefferson, Lackawanna, Lawrence, Lebanon, Luzerne, Lycoming, McKean, Mercer, Mifflin, Monroe, Montour, Northumberland, Perry, Pike, Potter, Schuylkill, Snyder, Somerset, Sullivan, Susquehanna, Tioga, Union, Venango, Warren, Washington, Wayne, Westmoreland, Wyoming, York.



ELECTRICIANS

**IBEW LOCAL
UNION #5 JATC**

5 Hot Metal Street
Pittsburgh, PA 15203
PH: 412-432-1145

www.ibewlocal5jatc.org

ELECTRICIANS

**IBEW LOCAL
UNION #712 JATC**

217 Sassafras Lane
Beaver, PA 15009
PH: 412-432-1145

www.wcpaejatc.org

Local Union #5 of the International Brotherhood of Electrical Workers represents members in 22 counties of Western Pennsylvania.

Local Union #712 of the International Brotherhood of Electrical Workers represents members in four counties of Western Pennsylvania.

Electricians: Install, maintain, and test power, lighting, communications and other systems in commercial, industrial, and institutional buildings. They also install the power systems, lighting, and other components for some single-family, as well as large multi-family complexes. Electricians are also trained in instrumentation and the use of fiber optics.

CLASSROOM HOURS: 2,500 (5 Years)

HOURS ON-THE-JOB TRAINING: 10,000 (5 Years)

IBEW #5 Counties of Jurisdiction: Allegheny, Armstrong, Bedford, Blair, Butler, Cambria, Cameron, Centre, Clarion, Clearfield, Elk, Fayette, Fulton, Greene, Huntingdon, Indiana, Jefferson, McKean, Somerset, Venango, Washington, Westmoreland.

IBEW #712 Counties of Jurisdiction: Beaver, Lawrence, Mercer, Crawford.



ELEVATOR CONSTRUCTORS

LOCAL UNION #6 JATC

2945 Banksville Road, Suite 208
Pittsburgh, PA 15216
PH: 412-341-6666
www.iuec.org

Elevator Constructors Local Union #6 represents tradespersons across 26 counties in Pennsylvania, two counties in Ohio, and five counties in West Virginia. Elevator constructors install, repair, and maintain elevators, escalators, wheelchair lifts, home lifts, dumbwaiters, and movable walks.

CLASSROOM HOURS: 576 (4-5 Years)

HOURS ON-THE-JOB TRAINING: 8,000 (4-5 Years)

Counties of Jurisdiction: **PA:** Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Clearfield, Crawford, Erie, Elk, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, McKean, Mercer, Somerset, Venango, Warren, Washington and Westmoreland. **OH:** Belmont and Jefferson. **W. VA:** Brooke, Hancock, Marshall, Ohio and Wetzel.



INSULATORS

LOCAL UNION #2 JATC

109 Pleasant Drive, Suite B
Aliquippa, PA 15001
PH: 724-788-1913
www.insulators2.org

The International Association of Heat and Frost Insulators and Allied Workers Local Union #2 represents members in 24 counties of western Pennsylvania, 15 counties in West Virginia, three counties in Ohio, and two in Maryland.

Insulators: Install insulation of both industrial and commercial mechanical systems for energy savings, burn protection, and to control temperature transfer and condensation. Other work includes cryogenic type insulation used in low temperature service, mirror insulation used in nuclear power generation, asbestos/lead abatement, and fire-stop installations.

CLASSROOM HOURS: 576 hours (4 Years)

HOURS ON-THE-JOB TRAINING: 6,000 (4 Years)

Counties of Jurisdiction: PA: Allegheny, Armstrong, Beaver, Butler, Fayette, Indiana, Washington, Greene, Westmoreland, Crawford, Erie, Forest, Lawrence, Mercer, Venango, Bedford, Blair, Cambria, Cameron, Clarion, Clearfield, Elk, Jefferson, Somerset. **WVA:** Barbour, Hancock, Marshall, Ohio, Tucker, Brooke, Harrison, Mineral, Preston, Tyler, Grant, Marion, Monongalia, Taylor, Wetzel. **OH:** Belmont, Jefferson, Monroe. **MD:** Allegany, Garrett.

Iron Workers™

LOCAL UNION NO. 3



IRON WORKERS LOCAL UNION #3 JATC

2315 Liberty Avenue
Pittsburgh, PA 15222
PH: 412-471-4535

www.apprentice.iwlocal3.com

Iron Workers Local Union #3 represents active members across all or parts of 16 counties in western Pennsylvania.

Ironworkers: Specialize in structural steel erection, pre-cast concrete construction, bridge erection/repair, ornamental iron/curtain wall installation, reinforcing steel placement and post-tensioning, pre-engineered metal buildings erection, welding, rigging/machinery moving, industrial construction, plant maintenance, and wind turbine construction.

CLASSROOM HOURS: 1,032 (3 Years)

HOURS ON-THE-JOB TRAINING: 4,200 (3 Years)

Counties of Jurisdiction: Allegheny, Armstrong, Beaver, Butler, Cambria, Clarion, Fayette, Greene, Indiana, Washington, Westmoreland, Crawford, Erie, Forest, Warren, Blair, Cameron, Centre, Clearfield, Clinton, Elk, Jefferson, McKean, Potter.



LABORERS
DISTRICT COUNCIL OF
WESTERN PENNSYLVANIA JATC

317 Deer Creek Road
Saxonburg, PA 16056
PH: 724-352-2224
www.laborpa.org

The Laborers' District Council of Western Pennsylvania represents workers across 33 counties in Pennsylvania.

Laborers: Are involved in almost every aspect of construction. They help to build and repair roads, highways, bridges, and tunnels; construct residential and commercial buildings; clean up hazardous waste sites; and perform many other types of work.

Other work performed includes, but is not limited to, building scaffolds; preparing and cleaning a job site; laying pipe; placing concrete; flagging and controlling traffic on highways; removing asbestos and lead from buildings; and constructing barriers to minimize or eliminate the spread of dust, allergens, or mold in rehabilitation and remodeling projects.

CLASSROOM HOURS: 300 (3 Years)

HOURS ON-THE-JOB TRAINING: 4,000 (3 Years)

Counties of Jurisdiction: Allegheny, Armstrong, Beaver, Butler, Clarion, Fayette, Greene, Indiana, Jefferson, Lawrence, Mercer, Washington, Westmoreland, Bedford, Blair, Cameron, Cambria, Centre, Clearfield, Clinton, Crawford, Elk, Erie, Forest, Franklin, Fulton, Huntingdon, McKean, Potter, Mifflin, Somerset, Venango, Warren.



OPERATING ENGINEERS LOCAL UNION #66 JATC

457 Christopher Road
New Alexandria, PA 15670
PH: 724-668-2244
www.wpaoperators.org

The International Union of Operating Engineers Local Union #66 represents heavy equipment operators and mechanics across 33 counties of Pennsylvania and three counties in Ohio.

Operating Engineers: Operate, maintain, and repair heavy construction equipment, such as cranes, backhoes, loaders, scrapers, and bulldozers for use in the construction of buildings, factories, roads, dams, power plants, pipelines, and bridges.

Heavy Equipment Mechanics: Maintain, troubleshoot, and perform repairs of various mechanical systems on a wide range of equipment, including everything from engines and transmissions on backhoes and bulldozers, to hydraulic and electrical systems on cranes and graders.

RELATED TRAINING HOURS: 800-920 (4 Years)

HOURS ON-THE-JOB TRAINING: 4,000-6,000 (4 Years)

Counties of Jurisdiction: PA: Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Centre, Clarion, Clearfield, Clinton, Crawford, Elk, Erie, Fayette, Forest, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Mifflin, Potter, Somerset, Venango, Warren, Washington, Westmoreland.
OH: Columbiana, Mahoning, Trumbull.



OPERATIVE PLASTERERS AND CEMENT MASONS LOCAL UNION #526 JATC

2606 California Avenue
Pittsburgh, PA 15212
PH: 412-761-6310
www.opcmia526.org

Operative Plasterers and Cement Masons' Local Union #526 represents members in 33 counties in western Pennsylvania and five in northeastern Ohio.

Cement Masons: Smooth and finish exposed concrete surfaces on projects such as walls, floors, steps, sidewalks, driveways, and roads. The bulk of the work is in commercial and industrial building as well as in heavy highway construction.

Plasterers: Finish walls and ceilings using all types of interior and exterior products, such as conventional plaster, veneer plaster, spray fireproofing, spray foam insulation, and others.

CEMENT MASON CLASSROOM HOURS: 480 (3 Years)

HOURS ON-THE-JOB TRAINING: 3,000 (3 Years)

PLASTERER CLASSROOM HOURS: 640 (4 Years)

HOURS ON-THE-JOB TRAINING: 6,000 (6 Years)

Cement Masons Local #526 Counties of Jurisdiction:

PA: Allegheny, Armstrong, Beaver, Butler, Clarion, Fayette, Greene, Indiana, Jefferson, Lawrence, Mercer, Washington, Westmoreland, Bedford, Blair, Cameron, Cambria, Centre, Clearfield, Clinton, Crawford, Elk, Erie, Forest, Franklin, Fulton, Huntingdon, McKean, Potter, Mifflin, Somerset, Venango, Warren. **OH:** Columbiana, Mahoning, Trumbull.

Plasterers Local #526 Counties of Jurisdiction:

PA: Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Centre, Clearfield, Clinton, Crawford, Elk, Erie, Fayette, Forest, Greene, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Mifflin, Potter, Somerset, Venango, Warren, Washington, Westmoreland. **OH:** Ashtabula, Columbiana, Cuyahoga, Gauga, Lake, Lorain, Mahoning, Trumbull.



**PAINTERS, DRYWALL
FINISHERS, GLAZIERS**
IUPAT DISTRICT COUNCIL #57 JATC

101 Ewing Road
Carnegie, PA 15106
PH: 412-276-5758
www.ftiofwpa.com

The International Union of Painters and Allied Trades (IUPAT) District Council #57 offers joint apprenticeship training in the crafts of painting, drywall finishing, and glazing. The Council covers 31 counties in Pennsylvania.

Painters: *Commercial Painters* perform surface preparation and apply a variety of protective coatings as well as ornate paint finishes and wall coverings. *Industrial Painters* work on projects such as bridges, large tanks, and other industrial settings, performing sand or water blasting preparation and industrial coating application.

Drywall Finishers: Seal joints between gypsum board and other wall board to prepare surfaces and ceilings for painting, wallpaper, and custom texturing.

Glaziers: Enclose buildings with curtainwalls, storefronts, windows, and entranceways. Glaziers also install skylights and perform interior work that includes mirrors, glass partitions, hollow metal frames, and architectural metal panels.

IUPAT District Council #57 also represents sign and display members who prepare, erect, and maintain all types of signs, along with their removal.

CLASSROOM HOURS: 432 for Commercial Painters; 480 for Drywall Finishers; 576 for Glaziers and Industrial Painters (3-4 Years)

HOURS ON-THE-JOB TRAINING: 6,000 for Painters and Drywall Finishers (3 Years); 8,000 for Glaziers (4 Years)

Counties of Jurisdiction: Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Centre, Clarion, Clearfield, Crawford, Erie, Elk, Fayette, Forest, Fulton, Greene, Huntingdon, Indiana, Jefferson, Juniata, Lawrence, McKean, Mercer, Mifflin, Potter, Somerset, Venango, Warren, Washington, Westmoreland.



PLUMBERS

LOCAL UNION #27 JATC

1040 Montour West Industrial Park
Coraopolis, PA 15108
PH: 724-695-9047
www.ua27.org

Plumbers Local #27 is a member of the United Association of Plumbers, Steamfitters, and Sprinkler Fitters covering all or parts of 16 counties in Pennsylvania.

Plumbers: Work in the heavy industrial, commercial, and residential sectors of the construction industry. From underground installation to final connections of fixtures and equipment, plumbers design, install, and maintain sanitary, storm, water supply and gas service lines, plumbing fixtures, mechanical equipment, and medical gas services. They also perform backflow and dye testing.

CLASSROOM HOURS: 1,200 (5 Years)

HOURS ON-THE-JOB TRAINING: 10,000 (5 Years)

Counties of Jurisdiction: Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Forest, Lawrence, Mercer, McKean, Venango, Warren and parts of Washington, Greene, and the cities of Arnold and New Kensington in Westmoreland County.



PLUMBERS & PIPEFITTERS

LOCAL UNION #354

P.O. Drawer I
Youngwood, PA 15697
PH: 724-925-7238
www.lu354.com

Plumbers & Pipefitters Local #354 was established in 1972 with the merger of Local 302 Charleroi, 530 Johnstown, and 478 Greensburg.

Plumbers: Work in the heavy industrial, commercial, and residential sectors of the construction industry. From underground installation to final connections of fixtures and equipment, plumbers design, install, and maintain sanitary, storm, water supply and gas service lines, plumbing fixtures, mechanical equipment, and medical gas services. They also perform backflow and dye testing.

Pipefitters (Steamfitters): Fabricate, install, and service piping systems on job sites involving single-family and large-scale multi-family residential, large and small office buildings, supermarkets, food warehousing and processing facilities, power plants, chemical installations, factories, public buildings, and health care facilities. Their work involves process piping, steam – hot water, refrigeration, air conditioning, medical gas, boilers, pipe fabrication, hydraulics, controls, welding processes, HVACR service, energy management, rigging, drafting/CAD drawing, and industrial instrumentation.

CLASSROOM HOURS: 1,250 (5 Years)

HOURS ON-THE-JOB TRAINING: 10,000 (5 Years)

Counties of Jurisdiction: Fayette, Westmoreland (except the cities of Arnold and New Kensington), Somerset, Bedford, Cambria, Jefferson, Huntingdon, Indiana, Elk, Cameron, Clearfield and portions of Greene and Washington Counties.



ROOFERS

LOCAL UNION #37 JATC

230 Lincoln Avenue
Bellevue, PA 15202
PH: 412-732-9720

www.rooferslocal37.com

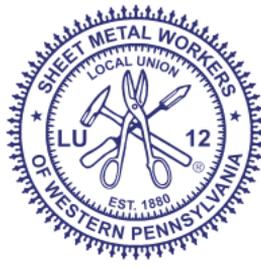
Roofers Local Union #37 is a member of the United Union of Roofers, Waterproofers, and Allied Workers covering 20 counties in western Pennsylvania.

Roofers and Waterproofers: Install roofs on structures using a variety of materials, including shingles, slate and tile, hot tar, rubber, thermoplastics, and composites. They also specialize in waterproofing and damp-proofing, as well as in lining industrial/commercial ponds and tanks, and the installation of air barriers.

CLASSROOM HOURS: 576 (4 Years)

HOURS ON-THE-JOB TRAINING: 4,800 (4 Years)

Counties of Jurisdiction: Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Clearfield, Elk, Fayette, Forest, Greene, Huntingdon, Indiana, Jefferson, Somerset, Washington, Westmoreland.



SHEET METAL WORKERS

LOCAL UNION #12 JATC

1200 Gulf Lab Road
Pittsburgh, PA 15238
PH: 412-828-1386
www.smlocal12.org

Sheet Metal Workers' Local Union #12 is a member of the Sheet Metal-Air-Rail-Transportation International Association. It covers 23 counties in western Pennsylvania.

Sheet Metal Workers: Fabricate and install a multitude of products made from a variety of metals. Sheet metal workers fabricate anything from HVAC systems to architectural roof and cladding systems, industrial material handling systems, sign work, ornamental work, custom kitchen and food handling equipment, and other products and materials. They are skilled in all metal craftwork, including cutting, rolling, bending, mitering, welding, and soldering, as well as drafting, reading plans and specifications, and design.

CLASSROOM HOURS: 1,000 plus electives in training (4-5 Years)

HOURS ON-THE-JOB TRAINING: Up to 10,000 (4-5 Years)

Counties of Jurisdiction: Allegheny, Armstrong, Beaver, Butler, Cambria, Cameron, Clarion, Clearfield, Crawford, Elk, Erie, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, McKean, Somerset, Venango, Warren, Washington, Westmoreland.



SPRINKLER FITTERS

LOCAL UNION #542 JATC

P.O. Box 58161 • 227 Stanton Avenue
Pittsburgh, PA 15209
PH: 412-822-8040
www.sprinklerfitters542.org

Sprinkler Fitters Local Union #542 is a member of the United Association of Plumbers, Steamfitters, and Sprinkler Fitters.

Sprinkler Fitters: Sprinkler fitters install, maintain, repair, and adjust all fire protection and fire control systems, as well as install and test backflow devices.

Work includes the installation of all piping or tubing, appurtenances, and related equipment, including both overhead and underground water mains, fire hydrants, and hydrant mains, standpiping, underground piping, and control systems in connection with, or part of, automatic sprinkler systems for the prevention and control of fire. They also install sprinkler tank heaters, air lines, and thermal systems, as well as all connected tanks and pumps.

CLASSROOM HOURS: 1,080 (4-5 Years)

HOURS ON-THE-JOB TRAINING: 10,000 (4-5 Years)

Jurisdiction: 25 mile radius of downtown Pittsburgh.

Steamfitters

STEAMFITTERS LOCAL UNION #449 JATC

230 Wise Road
Harmony, PA 16037
PH: 412-481-0333
www.ua449.com

Steamfitters Local Union #449 is a member of the United Association of Plumbers, Steamfitters, and Sprinkler Fitters. Local 449 covers parts of 16 counties in Western Pennsylvania.

Steamfitters: Fabricate, install, and service piping systems on job sites involving single-family and large-scale multi-family residential, large and small office buildings, supermarkets, food warehousing and processing facilities, power plants, chemical installations, factories, public buildings, and health care facilities. Their work involves process piping, steam – hot water, refrigeration, air conditioning, medical gas, boilers, pipe fabrication, hydraulics, controls, welding processes, HVACR service, energy management, rigging, drafting/CAD drawing, and industrial instrumentation.

CLASSROOM HOURS: 1,250 (5 Years)

HOURS ON-THE-JOB TRAINING: 10,000 (5 Years)

Counties of Jurisdiction: Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Forest, Lawrence, McKean, Mercer, Venango, Warren, portions of Greene, Washington, and the cities of Arnold and New Kensington in Westmoreland County.

Future Road Builders -

A career awareness tool, created by the *Constructors Association of Western Pennsylvania*,

FUTURE ROAD BUILDERS

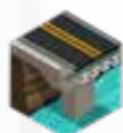
uses games, videos, imagery, and assessment tools to explore a virtual highway construction project and uncovers the skills needed to be a heavy and highway construction apprentice. This free app gives real insight into just what it means to be a construction professional. Download Future Road Builders today for free in any of the app stores.

More information on this app and a collection of other construction-related apps can be found in the Skill Arcade at www.futureroadbuilders.com. The site provides in-depth resources for students, parents, and facilitators, as well as detailed information about opportunities within the craft apprenticeship programs.

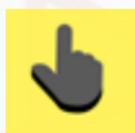


These free and engaging games that help players discover their aptitudes and interests were developed by Simcoach Games in conjunction with several Western Pennsylvania trade unions and contractor associations.

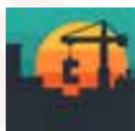
The Simcoach Games mission is to create fun video games that inspire youth and connect them to relevant career paths which fit their unique interests and aptitudes. Whether educating a workforce, getting young professionals hired, or helping players discover their unique skills and aptitudes, Simcoach is committed to exposing next generation talent to promising career paths.



Future Road Builders - Learn about the different phases of a highway construction project and uncover the skills needed to be a Carpenter, Pile Driver, Concrete Finisher, Skilled Laborer, Heavy Equipment Operator, and Inspector. (Constructors Association of Western PA)



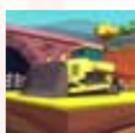
Road Builder Blitz - Quickly build bridges to learn about different careers involved in highway construction. (Constructors Association of Western PA, PennDOT, and FHWA)



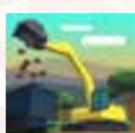
Future Commercial Builders - Ground Up Construction - Use your problem-solving skills to build a series of buildings while learning about the building trades, apprenticeships, and careers in the trades. (Master Builders Association of Western PA)



Future Construction Inspectors - Focus on the underlying skills needed to be an inspector on a road construction project. (PennDOT)



Dig In: A Dozer Game - Use your hand-eye coordination and spatial awareness to operate your dozer to perfection by digging trenches, pushing dirt, and filling holes in this fast-paced construction game. (IUOE Local 66)



Dig In: An Excavator Game - Use your hand-eye coordination and spatial awareness to build up your reputation as an expert excavator operator, completing simulated construction tasks! (IUOE Local 66)



Hooked! A Tower Crane Game - See what it takes to become a master crane operator by lifting loads around a construction site. (IUOE Local 66)



Excavator Game - As an excavator operator, use your skills in hand-eye coordination, three-dimensional thinking, and planning to solve these challenging digging puzzles! (IUOE Local 66 and Constructors Association of Western PA)



Reinforcers - Learn and practice the basic moves for three different types of rebar ties. Watch structures come together as you tie more rebar. (Laborers and Constructors Association of Western PA)



Traffic Control - Help traffic pass safely and avoid all the elements around your construction site. (Laborers and Constructors Association of Western PA)



JobPro: Get Hired Construction - While answering interview questions, the player is challenged with controlling their avatar – keeping them from nodding off, fidgeting, looking around the room, slouching, and more. Land the construction job by mastering the interview! (Constructors Association of Western PA)



Harness Hero - Reduce injuries and fatalities related to improper use of fall protection equipment by playing this game. (Master Builders Association of Western PA)



Harness Hero: Bridge Edition - As a spin-off of Harness Hero, this game educates players on the fundamental decisions of using a fall arrest system for bridge construction projects. (Constructors Association of Western PA)



ICRA For Construction - As a carpenter on a healthcare construction site, you are challenged to identify safety hazards at a hospital. Find hazards that could potentially contaminate yourself and patients. (KML Carpenters and Master Builders Association of Western PA)



Lift Coach: Plan Your Lift - Players learn the importance of proper lifting posture to prevent future injuries and strains. (CPWR)



Lift Coach: Plan Your Route - Players are challenged with the task of properly moving construction materials on a job site safely to avoid injury. (CPWR)



Site Coach: Ladder Safety Construction - Players are challenged to investigate construction sites and practice identifying some of the most common hazards in ladder safety. (Master Builders Association of Western PA, Constructors Association of Western PA, AGC of America)



Site Coach: Start Smart Construction - Players investigate construction sites and practice identifying some of the most common hazards in building and highway construction. (Mosites, Master Builders Association of Western PA, Constructors Association of Western PA, Zurich)



Site Coach: Fall Protection - Players are challenged to investigate construction sites and practice identifying some of the most common hazards in fall protection. The game features the following safety precautions and identifying potential fall protection risks. (Master Builders Association of Western PA)



Pre-Apprenticeship Programs

Introduction to the Construction Trades - This Pennsylvania registered pre-apprentice program is managed and partially funded by the Builders Guild of Western Pennsylvania with primary funding through Partner4Work. The program aims to connect individuals of all backgrounds, including but not limited to those who are underserved, disadvantaged, underemployed, or unemployed to the extraordinary educational and career opportunities provided by the building and construction trades. Chief among those are family sustaining wages and benefits and the ability to continually advance to greater levels of responsibility.



This program facilitates career exploration through a combination of hands-on activities, virtual reality, career counseling, visits to Joint Apprenticeship Training Centers, and meeting professionals in various fields. Students are mentored to build job readiness and soft skills required to remain successful throughout their careers.

No previous skilled trade experience is needed. Program activities target two educational outcomes: basic job readiness and a wide exposure to a range of technical disciplines. Those who successfully complete and graduate from the program are “guaranteed” entry into one of the regional union apprenticeship programs offered by Builders Guild members or as a direct hire to a Builders Guild member contractor.

For more information, please contact Ms. Chaquita Barnett at cbarnett@buildersguild.org or 412-532-1733. To apply online go to buildersguild.org and click “Intro to the Trades”.

Breaking the Chains of Poverty - This career training program, endorsed and funded in part by the Builders Guild and administered by the A. Philip Randolph Institute’s Pittsburgh Chapter, promotes living wage jobs and union membership for minorities.



Partnering with the labor movement and others, the program provides community-based training programs to educate, improve employment opportunities, and secure good union jobs that earn family-sustaining wages and benefits to create self-sufficient individuals and families.

Participants acquire state-of-the-art training, tools, and theory used by the building and construction industry and others as the core program consists of approved training modules that are industry driven and constantly enhanced by bringing new employers to the table.

Contact: **Breaking the Chains of Poverty, A. Philip Randolph Institute (APRI)**, 60 Blvd.of the Allies, Suite 200, Pittsburgh, PA 15222, 412-562-2432 or www.pittsburghapri.org



The Builders Guild of Western Pennsylvania
631 Iron City Drive • Pittsburgh, PA 15205
Phone: (412) 921-9000