



State of Hawaii  
Department of Labor & Industrial Relations  
Workforce Development Division

EEO Employer/Program Manager

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8/2004

# GUIDE TO

## STATE REGISTERED



## CONSTRUCTION APPRENTICESHIP PROGRAMS

### 2004



Aloha:

Apprenticeship is a system of training in which a person learns a trade through on-the-job experience and related classroom instruction. The apprenticeship programs described here are developed and operated by labor unions and/or employer organizations representing the various trades. These programs are registered with the Department of Labor and Industrial Relations which is responsible for ensuring that they operate in compliance with the standards for safeguarding the welfare of apprentices.

This booklet contains information about all of the construction trades apprenticeship programs currently registered with the State of Hawaii, Department of Labor and Industrial Relations. It lists data that individuals considering a career in the construction trades may need to make an informed decision.

We hope that you will find this booklet helpful.

Sincerely,

Elaine Young, Administrator  
Workforce Development Division

## INDEX

Page

Asbestos Insulator (Union).....	1
Bricklayer-Mason (Union).....	2
Carpenter (Non-Union).....	3
Carpenter (Union).....	4
Cement Finisher (Union).....	5
Construction Craft Laborer (Union).....	6
Drywall Installer (Union).....	7
(Electrician) Wireperson (Union).....	8
Electrician (Non-Union).....	10
Elevator Constructor (Union).....	11
Fire Sprinkler Fitter (Union).....	12
Floor Layer (Union).....	13
Glazier (Union).....	14
Ironworker (Fabricator) (Union).....	15
Ironworker (Structural) (Union).....	16
Ironworker (Reinforcing) (Union).....	17
Operating Engineer (Union).....	18
Painter (Non-Union).....	19
Painter (Non-Union).....	20
Painter (Union).....	21
Plasterer(Union).....	22
Plumber (Non-Union).....	23
Plumber (Union).....	24
Pointer-Caulker-Weatherproofer (Union).....	25
Refrigeration-Air conditioning (Pipefitter)(Union).....	26
Roofer (Non-Union).....	27
Roofer (Union).....	28
Sheetmetal Worker (Non-Union).....	29
Sheetmetal Worker (Union).....	30
Steam Fitter/Welder (Union).....	31
Stonemason (Union).....	32
Tile Setter (Union).....	33
Taper (Union).....	34

**UNION ASBESTOS INSULATOR  
(Heat & Frost)**



Heat & Frost Asbestos Insulators apply insulating material to equipment such as pipes, boilers, and furnaces, and to building surfaces to retain or exclude heat and to absorb sound. They use asbestos, cork, felt, fiberglass, and magnesia as insulating materials. They may paste, wire, tape, or spray insulation to the appropriate surface. On flat surfaces, they insert studs and attach wire mesh to form a base for the insulating material. They use trowels, brushes, scissors, stapling guns, power saws and compressors.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

- MIN. REQMTS:** Age 16+  
High School Graduate or GED  
Pass interview
- RECRUITMENT:** By Joint Apprenticeship Committee  
Watch for announcements
- CONTACT:** Int'l Assn. of Heat & Frost Insulators & Asbestos  
Workers  
Local 132  
707 Alakea Street, Rm 206  
Honolulu, HI 96813  
Phone: 521-6405  
Fax: 523-9861
- MISC. INFO:** For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.insulators.org/> .

**UNION BRICKLAYER-MASON**



Bricklayer-masons build and repair walls, partitions, fireplaces, and other structures with brick, cinder-block, structural tile, and other masonry materials. They cut, lay, and set their materials using trowels, brick hammers, and jointing tools. They determine vertical and horizontal alignment with plumb bobs, gauge lines, and levels. They may also weld metal supports for bricks.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

- MIN. REQMTS:** Age 16+  
High School Graduate or GED  
May require a physical exam
- RECRUITMENT:** By Joint Apprenticeship Committee  
Watch for announcements
- CONTACT:** Mason's Training Office  
2251 No. School Street  
Honolulu, HI 96819  
Phone: 845-5949  
Fax: 847-7068
- MISC. INFO:** For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.opcmia.org/> websites.

## NON-UNION

## CARPENTER



Carpenters build, install, and repair structures and fixtures of wood, plywood, and wallboard. They erect structural framework and construct forms for concrete. They lay subflooring, build stairs, and erect scaffolding. Carpenters also install cabinets, windows, doors, paneling, and other wooden items in buildings.

Carpenters study blueprints to determine the required materials and the dimensions. Using measuring tools, saws, hammers, and other equipment, they mark, cut, and assemble the materials. They verify trueness of structures with plumb bobs and levels. Work is commonly divided into 2 categories-rough and finish carpentry.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN REQMTS: Age 18+  
High School Graduate or GED  
School Transcripts  
Driver's License  
Worked 6+wks with member company  
Legally able to work under current immigration laws

RECRUITMENT: Sponsored by member company

CONTACT: Associated Builders & Contractors, Inc.  
207A Puuhale Road  
Honolulu, HI 96819  
Phone: 845-4887  
Fax: 847-7876

MISC. INFO: For more information see <http://abc.org/> , click on "Education and Training".

## UNION

## CARPENTER



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Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN REQMTS: Age 17+  
High School Graduate or GED  
Complete questionnaire  
Pass industry test (8<sup>th</sup> grade math)  
Lift 75 lbs.

RECRUITMENT: As requested by the Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Hawaii Carpenters Training Office  
1311 Houghtailing Street, Room 202  
Honolulu, HI 96817  
Phone: 848-0794, x5  
Fax: 841-5961 or 841-0300

MISC. INFO: For more information see <http://www.helmetstohardhats.org/> and <http://www.carpenters.org/> .

## UNION CEMENT FINISHER



Cement finishers finish surfaces of poured concrete floors, walls, sidewalks, and other construction projects to specified textures. They direct the pouring and supervise laborers who spread the concrete. Using straightedge, darbies, edgers, and floats, they level and smooth the concrete. They fill minor depressions and remove high spots with rubbing bricks and chisels. They also produce other finishes such as coarse, non-skid and pebble-like finishes.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN REQMTS: Age 16+  
High School Graduate or GED  
Able to perform duties of the trade

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Masons' Training Office  
2251 North School Street  
Honolulu, HI 96819  
Phone: 845-5949  
Fax: 847-7068

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.opcmia.org/> .

## UNION CONSTRUCTION CRAFT LABORER



Laborers perform a variety of tasks on construction projects, usually working with other trades, in a utility capacity transferring from one task to another. They measure distances from grade stakes, drive stakes, and stretch tight lines. They use bolt and nails to align blocks under forms. They work as signal operators to facilitate alignment, movement and adjustment of machinery. They level earth to grade specification using picks, shovels, and other equipment. They move, smooth and finish freshly poured concrete using float, trowel, or screed. They erect scaffolding, shoring, and braces. They mop, brush, or spread paint or bituminous compound to protect surfaces. They spray water, sand, steam, vinyl, paint or stucco through hoses to clean, coat, or seal surfaces, and apply caulking compounds to seal crevices. They grind, sand, or polish surfaces using abrasive tools or machines.

Apprenticeship Program requires satisfactory completion of **4,000 hours** of a combination of work and industry related study.

MIN REQMTS: Age 18+  
High School Graduate or GED  
Valid Driver's License

RECRUITMENT: By Joint Apprenticeship  
Committee request  
Watch for announcements

CONTACT: Hawaii Laborers' Training Program  
P.O. Box 457  
Aiea, HI 96701  
Phone: 455-7979  
Fax: 456-8689

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.liuna.org/> websites.

## UNION DRYWALL INSTALLER



Installs horizontal and vertical metal or wooden studs for attachment of wallboard on interior walls, using handtools. Scribes measurements on wallboard using straightedge and tape measure, and cuts wallboard to size using knife and saw. Attaches wallboard to wall and ceiling supports using glue, nails, screws, hammer, or powered screwdriver. Uses a knife to trim rough edges from wallboard to maintain even joints. Nails prefabricated metal pieces around windows and doors and between dissimilar materials to protect drywall edges. May remove plaster, drywall, or paneling using crowbar and hammer. Usually works with others.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: Age 17+  
High School Graduate or GED  
Complete questionnaire  
Pass industry test (8<sup>th</sup> grade math)  
Lift 100 lbs.

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Hawaii Carpenters Training Office  
1311 Houghtailing Street, Room 202  
Honolulu, HI 96817  
Phone: 848-0794, x5  
Fax: 841-5961 or 841-0300

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
[http://www.carpenters.org./](http://www.carpenters.org/) websites.

## UNION WIREPERSON (ELECTRICIAN)



Wirepersons install conduit, electrical wiring, fixtures and electrical apparatus in buildings and in industrial settings. Major duties include: planning/initiating projects; establishing temporary power; establishing grounding systems; installing electrical service; establishing power distribution within a project; planning and installing raceway systems; installing new and repairing old wiring; providing power and controls to motors, HVAC, and other equipment; installing receptacles, lighting systems, and fixtures; troubleshooting and repairing electrical systems; installing and repairing traffic signals, outdoor lighting and outdoor power feeders; installing fire alarm systems.

5-year Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.

MIN. REQMTS:     Age 18+ (with verification documents)  
                      High School Diploma/GED  
                      Pass 1 year HS Algebra (not PreAlgebra)  
                      Transcript of HS or post HS courses  
                      Pass industry aptitude test to qualify for oral interview  
                      Substance abuse test before indenturing  
                      \$25 Application Fee (non-refundable)  
                      Join IBEW Local 1186

RECRUITMENT:    Watch for announcements

CONTACT:           Hawaii Electricians Training Office  
                      1935 Hau Street, Room 301  
                      Honolulu, HI 96819  
                      Phone:           847-0629  
                      Fax:               847-4596 or 847-2224

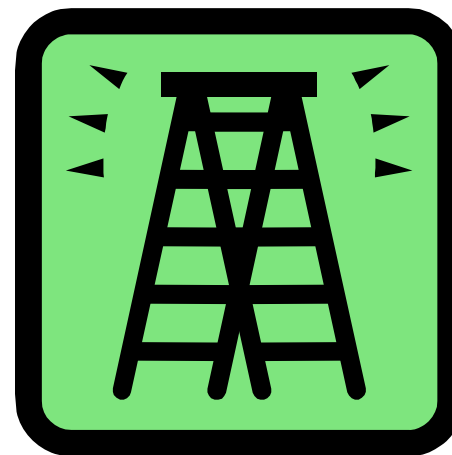
## UNION

## WIREPERSON (ELECTRICIAN)

(continued)

MISC. INFO:

For more information see <http://helmetstohardhats.org/> and <http://www.njatc.org/apprentice.htm> for sample questions.





## NON-UNION

## ELECTRICIAN

Electricians layout, install, repair, and test electrical systems for heat, light, power, air conditioning, and refrigeration components. They install electrical machinery, controls, and electronic, signal and communication equipment. They follow blueprints. They measure, cut assemble and install electrical conduits, and pull electrical wires and make the connections. They test circuits for continuity and grounding. Electricians use screwdrivers, pliers, and other hand tools, pipe threaders, conduit benders, and test meters and power tools.

Apprenticeship Program requires satisfaction completion of **10,000 hours** of work and industry related study.

MIN. REQMTS: High School Graduate or GED'  
 1 year HS Algebra (not PreAlgebra)  
 Transcript of HS courses or post HS trade courses  
 Valid Driver's License  
 Pass industry & color code vision tests  
 US Citizen to go on Military Bases  
 Work for member company 6+wks  
 Legally able to work under current immigration laws

RECRUITMENT: Sponsored by member company

CONTACT: Associated Builders & Contractors, Inc.  
 207A Puuhale Road  
 Honolulu, HI 96819  
 Phone: 845-4887  
 Fax: 847-7876

MISC. INFO: For more information see <http://abc.org/> , click on "Education and Training".

## UNION

## ELEVATOR CONSTRUCTOR



Elevator constructors assemble and install electric and hydraulic freight and passenger elevators, escalators, and dumbwaiters, determining layout and electrical connections from blueprints. They lay out location of framework, counter-balance rails, motor pump, cylinder, and plunger foundation. They drill holes in concrete or structural steel members with selected electric drills. They secure anchor bolts or weld brackets to support rails and frame-work, and verify alignment with plumb bob and level. They prefabricate sections of framework and other components to specified dimensions, using acetylene torch, power saw, and disc grinder. They install cables, counter weights, pumps, motor foundations, escalator drives, guide rails, elevator cars, and control panels using handtools. They connect electrical wiring to control panels and electric motors. They install safety and control devices and position equipment on top of elevator shafts using hoists and cable slings.

Apprenticeship Program requires satisfactory completion of **6,800 hours** of work and industry related study.

MIN. REQMTS: Age 18+  
 High School Graduate or GED  
 School Transcripts  
 Pass interview  
 Pass aptitude test (math, reading, physics)  
 Pass medical exam  
 Able to perform the duties of the trade

RECRUITMENT: By Joint Apprenticeship Committee  
 Watch for announcements

CONTACT: Int'l Union of Elevator Constructors #126  
 707 Alakea Street, Rm 314  
 Honolulu, HI 96813  
 Phone: 536-8653  
 Fax: 537-3779

MISC. INFO: For more information see <http://helmetstohardhats.org/> and <http://iuec.org/> websites.

## UNION FIRE SPRINKLER FITTER



Fire sprinkler fitters lay out, assemble, install, and maintain pipe system supports and fire sprinkler systems. They follow blueprints for application and installation of the system. They inspect work sites to determine presence of obstructions and to ascertain that holes cut for materials will not cause structural weakness. They plan work to avoid obstructions and interfering with activities of other trade workers. They cut pipes with hacksaws or pipecutters, thread pipes, solder, and bend piping with a pipe bending machine. They may assemble and install a variety of pipes, tubes and fittings.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.

MIN. REQMTS: Age 18+  
High School Graduate or GED  
School Transcripts  
Pass interview  
Pass industry test with score of 60%+  
Driver's License  
Pre-employment Drug Test  
Application Fee

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Plumber/Pipefitters Training Office  
97-731 A Kamehameha Hwy.  
Pearl City, HI 96782  
Phone: 456-0585  
Fax: 456-7131

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.ua.org/> websites.

## UNION FLOOR LAYER



Floor layers install and replace resilient tile, linoleum, and vinyl sheets, and carpeting on floors. They inspect, clean, and smooth floors to be covered. Following verbal instructions or blueprints, they measure and mark off the floors. They spread adhesive cement on the floor and measure, cut, fit and set the material into place. Floor layers roll and smooth resilient flooring to ensure proper adhesion. They use knives, shears, hammers carpet stretchers, floor rollers and other tools.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of on-the-job training and **480 hours** of industry related study.

MIN. REQMTS: Age 17+  
Driver's license  
Color Code Test

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Carpet, Linoleum & Soft Tile Layers  
Local 1926, D.C. 50  
2240 Young Street  
Honolulu, HI 96826  
Phone: 942-3988  
Fax: 946-6667

MISC. INFO: Work involves ability to work on  
hands and knees.  
For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.iupat.org/> websites.

## UNION

## GLAZIER



Glaziers cut, fabricate, install glass and architectural aluminum in windows, doors for interior of commercial store fronts, glass curtain walls in high-rise offices and condominiums. They install custom automatic doors and skylights in buildings. They also cut and install mirrors for commercial and residential buildings. They install mirror wardrobe and shower doors and tub enclosure in homes. Glaziers use special power and hand tools as well as power equipment in the shop and on construction projects. During installation glaziers use wire clips, rubber gaskets, metal or wood moldings, putty and caulking. They also apply specialized caulking compounds to seal joints to stop water penetration and improve appearance of frames.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.

MIN. REQMTS: Age 16+  
High School Graduate or GED  
Valid driver's license  
Able to perform work of the trade

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Glaziers & Glass Workers Apprentice  
and Training  
2240 Young Street  
Honolulu, HI 96826  
Phone: 946-3329  
Fax: 949-2706

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.iupat.org> websites.

## UNION

## IRONWORKER (FABRICATOR)



Fabricating ironworkers make and assemble structural metal products for buildings and bridges and framework for machinery, ovens, tanks, stairways, stacks, and ornamental railings. Following job orders or blueprints, they layout and plan the sequence of operations. They operate metal fabricating machines such as shears, punch presses, drills, treading machines, and rolls to cut, bend, and shape metal. They align, fit, tack, and weld metal parts together.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: Age 18+  
High School Graduate or GED  
Able to perform work of the trade

RECRUITMENT: Must be sponsored by member  
employer

CONTACT: Ironworkers Union, Local 803  
94-497 Ukee Street  
Waipahu, HI 96797  
Phone: 671-4344  
Fax: 676-1144

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.ironworkers.org/> websites.

## UNION

## IRONWORKER (STRUCTURAL)



Structural ironworkers erect steel frameworks for buildings, bridges, floor decking, and other structures. They guide, place, and join girders, columns, and other structural members. They verify alignment of the members, and bolt, rivet, or weld them for final fastening. They use winches, hoists, and jacks to position members and air hammers and welding equipment to join members.

Apprenticeship Program requires satisfactory completion of **6,000 hours** of work and industry related study.

MIN. REQMTS: Age 16+  
Able to perform work of the trade

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Ironworkers Union, Local 625  
94-497 Ukee Street  
Waipahu, HI 96797  
Phone: 671-8225  
Fax: 676-1144

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.ironworkers.org/> websites.

## UNION

## IRONWORKER (REINFORCING)



Reinforcing Ironworkers position and secure steel rods or bars in concrete forms for reinforcement in bridges, buildings, and other structures. Following blueprints or other instructions, they determine the number, sizes, shapes, and locations of the reinforcing rods. They use steel pliers and other tying tools to secure the rods. They cut and bend the rods to required lengths with hacksaws, bar cutters, acetylene torches, and bending machines. They also reinforce concrete surfaces with coarse wire mesh.

Apprenticeship Program requires satisfactory completion of **6,000 hours** of work and industry related study.

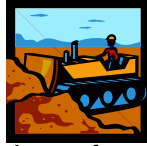
MIN. REQMTS: Age 16+  
Able to perform work of the trade

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Ironworkers Union, Local 625  
94-497 Ukee Street  
Waipahu, HI 96797  
Phone: 671-8225  
Fax: 676-1144

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.ironworkers.org/> websites.

## UNION OPERATING ENGINEER



Construction Equipment Operators (CEO) run a variety of construction equipment to excavate and grade earth; erect structural and reinforcing steel; pour concrete; and control air and water output. They operate bulldozers, cranes, excavators, paving machines, loaders, tractors, compressors, and other construction machinery. They may lubricate their machines and may make minor repairs and adjustments. Because the skills and training vary, operating engineers are usually classified by the type or the capacity of the machines they operate.

Heavy Duty Repairers and Welders (HDR) are trouble shooters who keep the construction equipment in constant operation. While in the shop, they do minor and major repairs on the equipment.

Apprenticeship Program requires satisfactory completion of industry related study and:

Construction Equipment Operator-**6,000 hrs.** of work  
Heavy Duty Repairer- **8,000 hrs.** of work.

MIN. REQMTS: Age 18+  
High School Graduate or GED  
School Transcripts  
Driver's License

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Operating Engineers, Local 3  
1432 Middle Street  
Honolulu, HI 96819  
Phone: 847-5523  
FAX: 848-4647

MISC. INFO: For more information see site  
<http://helmetstohardhats.org/>

## NON-UNION

## PAINTER



Painters apply paint, varnish, stain and other finishes to interior and exterior surfaces of buildings and other structures for protection and decoration. They remove old paint with scrapers, wire brushes, and blowtorches; and smooth surfaces with sandpaper or steel wool. They fill holes and cracks with putty, and apply undercoating or primer before painting the finish coats. They use rollers, spray guns, and brushes to apply paint. Painters also erect scaffolding when working on tall structures.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: Age 18+  
High School Graduate or GED  
Driver's License  
Employed by member company  
6+wks  
Legally able to work under current  
immigration laws

RECRUITMENT: Sponsored by member organization

Contact: Assoc. Builders & Contractors, Inc.  
207A Puuhale Road  
Honolulu, HI 96819  
Ph: 845-4887  
FAX: 847-7876

MISC. INFO: For more information see <http://abc.org/>,  
click on "Education and Training".

## NON-UNION

## PAINTER



Painters apply paint, varnish, stain and other finishes to interior and exterior surfaces of buildings and other structures for protection and decoration. They remove old paint with scrapers, wire brushes, and blowtorches; and smooth surfaces with sandpaper or steel wool. They fill holes and cracks with putty, and apply undercoating or primer before painting the finish coats. They use rollers, spray guns, and brushes to apply paint. Painters also erect scaffolding when working on tall structures.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: High School Graduate or GED  
Driver's License

RECRUITMENT: Sponsored by employer

Contact: Color Dynamics, Inc.  
816 Gulick Avenue  
Honolulu, HI 96819  
Ph: 848-7000  
Fax: 842-0800

Kawika's Painting  
2147 Eluwene Street  
Honolulu, HI 96819  
PH: 848-0003  
Fax: 842-1908

MISC. INFO:

## UNION

## PAINTER



Painters apply paint, varnish, stain and other finishes to interior and exterior surfaces of buildings and other structures for protection and decoration. They remove old paint with scrapers, wire brushes, and blowtorches, and smooth surfaces with sandpaper or steel wool. They fill holes and cracks with putty, and apply undercoating or primer before painting the finish coats. They use rollers, spray guns, and brushes to apply paint. Painters also erect scaffolding when working on tall structures.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: High School Graduate or GED  
Driver's License

RECRUITMENT: As requested by the Joint  
Apprenticeship Committee

Contact: Painters Union, Local 1791  
2240 Young Street  
Honolulu, HI 96826  
Ph: 947-6606  
Fax: 942-0195

MISC. INFO: For more information see  
<http://www.dc50.org/> ,  
<http://www.helmetstohardhats.org/> and  
<http://www.iupat.org/> sites.

## UNION

## PLASTERER

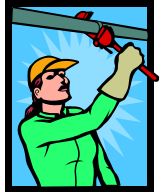
Plasterers finish interior walls and ceilings with plaster coatings and exterior surfaces of buildings with cement plaster or stucco. They make ornamental designs in plaster. They mix the plaster to the desired consistency and spread it over the base with a trowel. They smooth the plaster with derbies and floats to obtain uniform thickness. Plasterers usually apply three coatings. They rough the undercoat so succeeding layers will bond more readily. They may use spray machines to apply plaster.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

- MIN. REQMTS: Age 16+  
High School Graduate or GED
- RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements
- CONTACT: Mason's Training Office  
2251 No. School Street  
Honolulu, HI 96819  
Phone: 845-5949  
Fax: 847-7068
- MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.opmci.org/> websites.

## NON-UNION

## PLUMBER



Plumbers assemble, install, and repair plumbing systems and fixtures in homes, factories, and other buildings. They study building plans to determine the sequence of installations. They cut and thread pipes, assemble and install valves, pipes, and pipe fittings. They install and repair plumbing fixtures such as sinks, bath tubs, water heaters, toilets, and faucets; and test the systems for leaks. Plumbers use wrenches, drills, hydraulic pipe benders, acetylene torches, and welding and soldering equipment.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.

- MIN. REQMTS: Age 18+  
High School Graduates or GED  
School Transcripts  
Driver's License  
Work for 6+wks for member employer  
Legally able to work under current  
immigration laws  
Pass physical exam
- RECRUITMENT: Sponsored by member employer
- CONTACT: Associated Builders & Contractors, Inc.  
207A Puuhale Road  
Honolulu, HI 96819  
Phone: 845-4887  
Fax: 847-7876
- MISC. INFO: For more information see <http://abc.org/>,  
click on "Education and Training".

## UNION

## PLUMBER



Plumbers assemble, install, and repair plumbing systems and fixtures in homes, factories, and other buildings. They study building plans to determine the sequence of installations. They cut and thread pipes, assemble and install valves, pipes, and pipe fittings. They install and repair plumbing fixtures such as sinks, bath tubs, water heaters, toilets, and faucets; and test the systems for leaks. Plumbers use wrenches, drills, hydraulic pipe benders, acetylene torches, and welding and soldering equipment.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.

MIN. REQMTS: Age 18+  
High School Graduates or GED  
School Transcripts  
Pass interview  
Pass industry test with 60%+ score  
Driver's License  
Pre-employment Drug Test  
Application Fee

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Plumber/Pipefitters Training Office  
97-731 A Kamehameha Hwy.  
Pearl City, HI 96782  
Ph: 456-0585  
Fax: 456-7131

MISC. INFO: For more information see  
<http://helmetstohardhats.org/> and  
<http://www.ua.org/> websites.

## UNION POINTER-CAULKER-WEATHERPROOFER

Pointer-Caulker-Weatherproofere mix and apply external and internal applications of caulking to precast concrete on buildings. They do patching, masonry, and epoxy work on highways and roadway sealing. They perform a combination of duties on construction projects and usually work with other trades persons where demands require workers with varied experience and the ability to work without close supervision. They may use grinders and other abrasive tools and equipment.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: Age 16+  
High School Graduate or GED

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Mason's Training Office  
2251 No. School Street  
Honolulu, HI 96819  
Phone: 845-5949  
Fax: 847-7068

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> ,  
[http:// www.opcmia.org/](http://www.opcmia.org/) websites.

## UNION REFRIGERATION –AIR CONDITIONING (PIPEFITTER)

Pipefitters layout, fabricate, assemble, install, and maintain pipe systems, fixtures, and equipment for cooling industrial processing systems. Following specifications, they select, cut, thread and connect pipes, valves, and pipe fittings. They test the system for leaks. Pipefitters use wrenches, drills, pipe cutters, pipe benders, acetylene torches, and welding equipment.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.



MIN. REQMTS: Age 18+  
High School Graduates or GED  
School Transcripts  
Pass interview  
Pass industry test with 60%+ score  
Driver's License  
Pre-employment Drug Test  
Application Fee

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Plumber/Pipefitters Training Office  
97-731 A Kamehameha Hwy.  
Pearl City, HI 96782  
Phone: 456-0585  
Fax: 456-7131

MISC. INFO: For more information see  
<http://helmetstohardhats.org/> and  
<http://www.ua.org/> websites

## NON-UNION

## ROOFER



Roofers cover and waterproof the roofs of buildings with composition materials, asphalt and gravel, or tiles. They also waterproof masonry and concrete walls and floors by applying liquid water-proofing compound. They follow established procedures in applying the various types of roofing materials. Roofers use handtools such as hammers, roofing knives, mops, and caulking guns.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: Age 18+  
High School Graduate or GED  
Driver's License  
Pass physical exam  
Worked for member company  
for 6+wks  
Legally able to work under current  
immigration laws

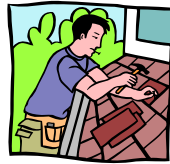
RECRUITMENT: Sponsored by member company

CONTACT: Associated Builders & Contractors, Inc.  
207A Puuhale Road  
Honolulu, HI 96819  
Phone: 845-4887  
Fax: 847-7876

MISC. INFO: For more information see For additional  
information see <http://abc.org/> , click on  
"Education and Training".

## UNION

## ROOFER



Roofers cover and waterproof the roofs of buildings with composition materials, asphalt and gravel, or tiles. They also waterproof masonry and concrete walls and floors by applying liquid water-proofing compound. They follow established procedures in applying the various types of roofing materials. Roofers use handtools such as hammers, roofing knives, mops, and caulking guns.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

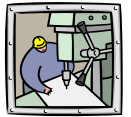
MIN. REQMTS: High School Graduate or GED  
Driver's License  
Physical exam may be required

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Roofers Union, Local 221  
2045 Kam IV Road, Rm 203  
Honolulu, HI 96817  
Ph: 847-5757  
Fax: 848-8707

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.unionroofers.com/> websites.

## NON-UNION SHEET METAL WORKER



Sheet metal workers fabricate, assemble, install, and repair ducts for air conditioning, heating, and ventilating systems, flat metal for kitchen walls and counters, and stamped metals for roofing and siding. Most of the fabrication is done in the shop. They determine the specifications and types of materials required from blueprints. They cut, bend, shape, and fasten the materials. At the construction site, sheet metal workers usually assemble and install the fabricated pieces. They work with galvanized iron, copper, aluminum, stainless steel, lead, and plastic. Sheet metal workers use handsnips, powershears, hammers, shaping machines, and soldering and welding equipment.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.

MIN. REQMTS: Age 18+  
High School Graduate or GED  
School Transcripts  
Driver's License  
Worked for member company 6+wks  
Legally able to work under current  
immigration laws

RECRUITMENT: Sponsored by member company

CONTACT: Assoc. Builders & Contractors, Inc.  
207A Puuhale Road  
Honolulu, HI 96819  
Ph: 845-4887  
Fax: 847-7876

MISC. INFO: For more information see <http://abc.org/>,  
click on "Education and Training".

## UNION SHEET METAL WORKER



The sheet metal worker is a highly skilled craftsperson who fabricates, installs, repairs and alters products made of sheet metal in construction, industrial and transportation work. Working from blueprints, plans and drawings, they use manual and power driven tools to cut, punch, drill, shape, fit, weld and solder pieces of metal. In construction, the work includes environmental controls, heating and cooling duct systems, storefronts, metal roofing and siding, gutter and downspout, food service equipment and other miscellaneous products. The sheet metal worker also does industrial work such as exhaust systems for paint spray booths, drying ovens, print shops, chemistry laboratories, welding rooms and boiler breeches and stacks. Along with the exhaust systems, sheet metal workers install systems that remove pollutants from the air before being discharged into the atmosphere.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work process and **1,050 hours** of related instruction.

- MIN. REQMTS: Age 18+  
High School Graduate or GED  
Driver's License  
Drug Free
- RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements
- CONTACT: Sheet Metal Workers JAC  
1405 North King Street, Room 403  
Honolulu, HI 96817  
Ph: 841-6106  
Fax: 841-1842
- MISC. INFO: For more information see  
<http://helmetstohardhats.org/> and  
<http://www.smwia.org/> websites.

## UNION STEAM FITTER/WELDER



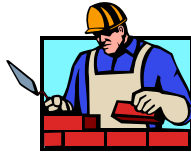
Steam Fitters lay out, assemble, install, maintain and service pipe systems, pipe supports and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubrication, sprinkling, and industrial production and processing systems using blueprints. They work with selected types and sizes of pipes, and related materials and equipment, e.g. supports, hangers, and hydraulic cylinders according to specifications. They inspect work site to determine presence of obstructions and to ascertain that holes cut for pipes will not cause structural weakness. Welding is required.

Apprenticeship Program requires satisfactory completion of **10,000 hours** of work and industry related study.

- MIN. REQMTS: Age 18+  
High School Graduate or GED  
School Transcripts  
Pass interview  
Pass industry test with 60%+ score  
Driver's License  
Pre-employment Drug Test  
Application Fee
- RECRUITMENT: By Joint Apprenticeship Committee  
Watch for Announcements
- CONTACT: Plumbers/Pipefitters Training Office  
97-731 A Kamehameha Hwy.  
Pearl City, HI 96782  
Phone: 456-0585  
FAX: 456-7131
- MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.ua.org/> websites.

## UNION

## STONEMASON



Stone masons erect stone structures and set stone exteriors. They build piers, walls and abutments; and lay walks and curbstones. They use two types of stone: natural cut stone, such as marble and granite, and artificial stone made from concrete and other masonry materials. They shape, set, and align the materials with chisels, hammers, mallets, trowels, crowbars, and plumbines. They remove dirt and excess mortar with a mild acid solution. They also use power tools for cutting and smoothing.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: Age 16+  
High School Graduate or GED  
Able to perform duties of the trade

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Masons' Training Office  
2251 No. School Street  
Honolulu, HI 96819  
Phone: 845-5949  
Fax: 847-7068

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.opcmia.org/> websites.

## UNION

## TILE SETTER



Tile setters apply tiles to walls, floors and ceilings for decoration. Following design specification, they measure and mark the surface. They apply a coat of cement to the surface and set the tiles into place. After the cement has set, they apply a very fine cement mixture to fill the joints. If necessary, they cut and shape tiles with a sawing machine or a special cutting tool. They use trowels, levels, hammers, and chisels to set the tiles.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work and industry related study.

MIN. REQMTS: Age 16+  
High School Graduate or GED  
Able to perform duties of the trade

RECRUITMENT: By Joint Apprenticeship Committee  
Watch for announcements

CONTACT: Masons' Training Office  
2251 No. School Street  
Honolulu, HI 96819  
Phone: 845-5949  
Fax: 847-7068

MISC. INFO: For more information see  
<http://www.helmetstohardhats.org/> and  
<http://www.opcmia.org/> websites.

## UNION

## TAPER

This covers all stocking and mixing of materials, all work involved in application by hand or automatic tools the embedding of tape-both paper and fiberglass, the application of skim coats over tape, detail work, nail spotting, application of outside corner guards and edge trim, filling corner guards and edge trim, finishing of angles, sanding, finishing and final check out to include punch list, the surface preparation and application of simulated acoustical spray, the preparation of surfaces to receive paint, wallpaper or textures on both new and re-do surfaces, the application of all textures or synthetic coatings systems-both interior and exterior, all masking and cleanup in connection with the above work, along with the erection and disassembling of scaffolding which support workers in performing the above.

Apprenticeship Program requires satisfactory completion of **8,000 hours** of work, industry related study, and safety certification.

**MIN. REQMTS:** Age 18+  
Able to perform duties of the trade

**RECRUITMENT:** Applicants shall be selected on a non-discriminatory basis. If there are no unemployed apprentices, the employer may hire anyone who meets the minimum qualifications.

**CONTACT:** Tapers Local Union 1944  
1287 Kalani Street, Room 204  
Honolulu, HI 96817  
Phone: 848-7766  
Fax: 848-0429

**MISC. INFO:** For more information see  
<http://www.helmetstohardhats.org/>.

