

# Apprenticeships

Bureau of Apprenticeship Training | Apprentice Schools List

## United States Department of Labor Office of Apprenticeship

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## **Unionized Construction Apprentices Schools** GREATER DETROIT AREA [Back to top](#)

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### **ASBESTOS WORKERS**

ASBESTOS WORKERS APPRENTICE TRAINING CENTER

21353 Bridge Street, Southfield, MI 48033

Tim O'Connell

TEL.	248-352-1850
FAX	248-352-1851

LENGTH OF PROGRAM: 4 Years

REQUIREMENTS: Applicants must have a High School Diploma or GED, 18 years minimum, possess a valid driver's license and live in the geographical area (Wayne County, Oakland County, Macomb County, St. Clair County and Eastern Washtenaw County).

COURSES REQUIRED DURING TRAINING: Pattern Cutting, Math, Scaffold Building, Metal Cutting, Pattern and Blueprint Reading

SCOPE OF WORK: Includes application of insulation, wrapping pipes and tanks for heat, frost, and condensation in industrial and commercial settings (factories, power plants, etc.)

TOOLS USED: Tape measures, Tin snips, Knives, Scissors, Dividers, Squares, Staple Guns, Drill Guns

Application Information: As needed. Please contact the above number for dates and times.

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### **BOILERMAKERS**

BOILERMAKERS TRAINING CENTER

5936 Chase Road, Dearborn, Michigan 48126

Donald Cochran, Administrator

TEL.	313-584-8520
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FAX 313-584-8777

LENGTH OF PROGRAM:	4 Years
REQUIREMENTS:	Applicant must have a High School Diploma or GED, and be a minimum of 18 years old. Also required are passage of an entrance exam, pre-physical evaluation and drug test.
COURSES REQUIRED DURING TRAINING:	The apprentice is expected to have a minimum of 600 hours classroom training in the following areas: Torch Cutting, Gouging, Gas Tungsten Arc, Gas Metal Arc, Plasma Arc, Submerged Arc, Bevel Tube, Tube Replacement, Rigging, Crane Set-Up, Block Reeving
SCOPE OF WORK:	Construction and repair of utility plants, chemical plants, automotive plants, refineries, paper and steel manufacturing facilities, ore processing and mine plants throughout the entire State of Michigan.
CERTIFICATIONS REQUIRED:	<ul style="list-style-type: none"><li>• ASME Section IX Welding Code</li><li>• MOST Certified</li><li>• Annual Drug Test (sometimes random at customer request)</li></ul>
TOOLS USED:	Conventional & Hydraulic Cranes, Welding Machines (Torches & Plasma Arc), Utilize Electric Pneumatic Hoist and Grinders, Tube Rolling Apparatus, Chain Hoist, Inspection and Care for Rigging Accessories
RETRAINING/ UPGRADE COURSES FOR JOURNEYMEN:	<ul style="list-style-type: none"><li>- Medical Emergencies/First Aid</li><li>- MIOSHA Guidelines for Fall and Fire Protection,</li><li>- Confined Space,</li><li>- Updates on Portable Hand &amp; Power Tools, Cutting, and Welding.</li></ul>
Application Information:	Will be made available on the 2 <sup>nd</sup> Tuesday of every month from 1 pm to 3 p.m. at the Boilermakers Local #169 Union Hall located at 5936 Chase Rd., Dearborn, MI 48126. <i>You must bring a birth certificate, diploma/GED, and photo ID. Applicants that have welding qualifications will be selected above those with no welding qualifications and then on the basis of random selections. Applicants must provide copies and proof of welding certification and qualifications at time of application.</i>

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## **BRICKLAYERS & ALLIED CRAFTWORKERS**

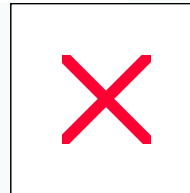
INTERNATIONAL MASONRY INSTITUTE  
DETROIT METROPOLITAN MASONRY JOINT APPRENTICE TRAINING CENTER

21031 Ryan Road, Warren, Michigan 48091

Jack Love, Apprenticeship Coordinator

TEL.	586-757-6668
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FAX	586-757-7015
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[www.bricklayers.org](http://www.bricklayers.org) (see IMI Training)

LENGTH OF PROGRAM: 3 Years

REQUIREMENTS: Applicants must be 18 yrs. or older, be in possession of a driver's license, and have completed 2 yrs. high school. Residency in Wayne, Oakland, Macomb or Monroe counties is required. 12 Week Pre-Apprentice training is required.

COURSES REQUIRED DURING TRAINING: Math, Blueprints, Safety, Bonds, Masonry Science, Piers, Windows, Door Openings

SCOPE OF WORK: Bricklayers construct walls, partitions, fireplaces, chimneys, and other structures from brick. They use other masonry materials such as concrete, cinder, or gypsum block; pre-cast panels made of brick, cement, tile, stone, marble, structural tile, or terra cotta. They also install the brick linings of industrial kilns and furnaces.

CERTIFICATIONS REQUIRED:

- Bureau of Apprenticeship Training
- Bricklayers Union

RETRAINING/ UPGRADE COURSES FOR JOURNEYMEN: - Welding, Stone, Blueprints for Foremen

Application Information: Wednesday, August 7, 2002 9 am - 2 pm  
Friday, September 4, 2002 9 am - 2 pm  
Applications will be accepted on above dates at: 21031 Ryan Rd., Warren, MI (1 block N of 8 Mile Rd.)

A \$20 test fee is required at time of application.

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# CARPENTERS/FLOOR LAYERS/LATHERS

DETROIT CARPENTERS APPRENTICE SCHOOL

1401 Farrow, Ferndale, Michigan 48220

Don Kissel , Director

TEL.	248-541-2740
FAX	248-541-1660

[www.detcarpapp.org](http://www.detcarpapp.org)

LENGTH OF PROGRAM: 4 Years

REQUIREMENTS: A High School Diploma or GED, birth certificate, Social Security card, and picture ID required at time of application. Applicants must be at least 17 years of age and be able to pass a drug screen. Mandatory 8,000 on-the-job training hours are required for completion.

COURSES REQUIRED DURING TRAINING: Mathematics for Carpentry, Basic Prints, Tool & Material Handling, Builders Level & transit ·Stationary Power Equipment, Footings & Foundations, Floor & Wall Framing, Roof Framing, Interior trim, Stair Building, Laminating Formica, Column & Deck Framing, Metal Studs & drywall, Blueprint & Estimating, Cutting & Arc Welding, Exterior trim, Demountable Partitions, Advanced Math, Advanced Roof Framing, Advanced Interior trim, Advanced Stair Building, Advanced Millwork, Scaffold training

SCOPE OF WORK: Carpenters, the largest group of building trades workers, are employed in almost every type of construction activity. They erect the building's wood frame, including subflooring, sheathing, partitions, floor joists, studs, and rafters. They install heavy timbers, build forms, erect scaffolding, and install floor coverings. When a building is ready for trimming, Carpenters install molding, wood paneling, cabinets, window sashes, door frames, doors, hardware, build stairs and lay floors. In addition, as part of their job, Carpenters saw, fit, and assemble plywood, wallboard, and many other materials.

TOOLS USED: Hammers, saws, chisel, planes, portable power saws, drills and nail drivers

RETRAINING/ UPGRADE COURSES AVAILABLE FOR JOURNEYMEN:

- Basic Welding
- Leadership training
- Welding Certification
- Framing Square & Layout
- Metal Studs and Drywall
- Lock Installation & Hardware
- Scaffold training

SPECIAL CLASSIFICATIONS: Commercial and Residential, Pile Drivers, Resilient Floor Layers, Millmen, Lathers.

Application Information: Applications to the Detroit Carpentry Joint Apprenticeship and Training School will be accepted any Wednesday, 9:00 am to Noon at the school office throughout the year. Applicants must present the following in order to make application: (1) Birth Certificate (2) High School Diploma or G.E.D. (3) Social Security Card and (4) Drivers License or

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## **CEMENT MASONS**

GREATER DETROIT CEMENT MASONS JOINT APPRENTICE COMMITTEE TRAINING CENTER

1154 E. Lincoln Avenue, Madison Heights, MI 48071

George Fillar, Cement Finishers' Coordinator

TEL.	248-548-7489
FAX	248-548-0700

LENGTH OF PROGRAM: 3 Years

REQUIREMENTS: Applicants must be 18 and have a valid driver's license and access to a vehicle. A High School Diploma or GED is preferred. A 60-minute math test includes addition, subtraction, division, multiplication, decimals, percentages. 60% or better score. Once applicants qualify for the program, they start an on-the-job training program, lasting 2-3 weeks. After this training comes job placement - and the applicant will be an apprentice. Beginning in the fall, apprentices are required to attend classes twice each month, every other Saturday.

COURSES REQUIRED: Related Math & Science, trade Theory, Safety & Hygiene, Plan Reading and Freehand Sketching, Architectural Drawings, Films and Visual Aids, Estimating, Building Code, Industrial History, trade Practice

SCOPE OF WORK: The principal work of Cement Masons is finishing the exposed concrete surfaces on many types of construction projects. These projects range from small jobs, such as the finishing of patios, floors and sidewalks, to work on huge dams, miles of concrete highways, foundations and walls of large buildings, airport runways and missile launching sites.

CERTIFICATIONS: 

- US Dept. Labor

TOOLS USED: Straight-edge, floats, hand trowels, power-operated trowels

Application Information: Please contact the above number for dates and times.

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## **DRYWALL FINISHERS**

PAINTERS APPRENTICESHIP SCHOOL

14587 Barber Street, Warren Michigan 48088

Tom McVicar, Apprenticeship Instructor

TEL. 586-552-4481

FAX 586-5524482

LENGTH OF PROGRAM: 2 Years

REQUIREMENTS: Applicants must have a High School Diploma or GED. A drug test must be taken and passed.

COURSES REQUIRED DURING TRAINING: History of the trade, Joint compounds & metal trim, Taping applications-hand tools, Blueprint reading, Butt joint concealment & wet sanding, Sanding, Basic Mathematics, Automatic & Power Tools, PPE/Safety/First Aid/CPR, Tools, equipment & techniques of the trade

SCOPE OF WORK: Drywall finishers apply drywall taping compounds and tape to wall surfaces, making a finished wall in preparation for painters, paperhangers, carpenters and tile layers. The finishers use hand tools as well as power tools to apply the drywall compounds and tape to the surface.

TOOLS USED: Sanding poles, Various size hand scrapers, Stilts, Pans & corner tools, Mixer, Spray gun

Application Information: Please contact the above number for dates and times.

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## **ELECTRICIAL WORKERS**

ELECTRICAL INDUSTRY TRAINING CENTER

2277 E. 11 Mile Road, Warren, Michigan 48092

Gary Polulak , Training Director

TEL.	586-751-6600
FAX	586-751-6699

LENGTH OF PROGRAM: 5 Years

REQUIREMENTS:	Applicants must have a High School Diploma or GED, with minimum one year Algebra with a passing grade. (preferably math through high school Algebra or basic college Algebra). Post High School Algebra will be considered. The legal right to work in this country.
COURSES REQUIRED DURING TRAINING:	Safety, National Electrical Code, Electrical Grounding, Blueprint Reading, Motor Controls, Math, Electronics, Programmable Controllers, Instrumentation, High Voltage Testing, Process Control, CPR, First Aid, Safety training, Conduit Bending, Welding, transformers & Motors, Telephone, Computer & Security Systems, Use of tools & ladders
SCOPE OF WORK:	Electricians lay-out, assemble, install and test electrical fixtures, apparatus, and wiring used in electrical systems. They also install and connect electrical machinery, equipment, controls, signal and communications systems, switches, conduits, circuit breakers, wires, lights, and other electrical components.
TOOLS USED:	Mechanical or hydraulic benders, pliers, testers, screw drivers, various safety equipment.
CERTIFICATIONS REQUIRED:	<ul style="list-style-type: none"> <li>• S.E. Michigan Chapter National electrical Contractors Association/International Brotherhood of Electrical Workers Local 58 JATC Certification of Completion</li> <li>• National JATC Certification of Completion</li> </ul>
RETRAINING/ UPGRADE COURSES AVAILABLE TO JOURNEYMEN:	<p>- Electricians must take a fifteen (15) hour NEC Update once every three (3) years.</p> <p>- Journeyman training is available.</p>
Application Information:	Please contact the above number for dates and times.

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## ***ELEVATOR CONSTRUCTORS***

ELEVATOR CONSTRUCTORS LOCAL 36

1640 Porter St., Detroit, MI 48216

TEL.

LENGTH OF PROGRAM: Five years of classroom and on-the-job training.

REQUIREMENTS: Interested persons must have a High School Diploma or GED and be a minimum of 18 years of age. Also required are a pre-physical evaluation and a drug test. Please send resumes to above address.

SCOPE OF WORK:	Elevator constructors handle the installation, repair, and maintenance of elevators escalators, moving walks, dumbwaiters, manlifts and all types of handicap lifts.
RETRAINING/ UPGRADING COURSES AVAILABLE TO JOURNEYMEN:	Upgrading courses are taught annually for journeypersons.
CERTIFICATIONS REQUIRED:	Passage of a test to obtain State of Michigan and City of Detroit Elevator Journeyperson License is required.
Application Information:	Please contact the above number for dates and times.

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## **GLAZIERS AND GLASSWORKERS**

### GLAZIERS APPRENTICE SCHOOL

1191 E. Ten Mile Rd., Madison Heights, Michigan 48071

Doug Hoisington, Coordinator

TEL.	248-399-5996
FAX	248-399-3140

LENGTH OF PROGRAM:	4 Years
REQUIREMENTS:	Applicant must have a High School Diploma or GED. Must have mechanical aptitude, good math skills, and have the ability to work well with hands. Applicants also must live in the geographic jurisdiction one year prior to application.
COURSES REQUIRED DURING TRAINING:	Math, Reading, Safety Procedures, Glazing History & Laws, Blue Print Reading & Sketching, Usage of Hand Tools, Power Equipment, Caulking, Swing Stages
SCOPE OF WORK:	Glaziers install glass and aluminum (windows, curtain walls, shower doors, mirrors, hand rails, skylights, entrances, store fronts, etc.) in new construction, residential and remodeling.
CERTIFICATIONS:	<ul style="list-style-type: none"> <li>• First Aid/CPR</li> <li>• Operators License for Power Equipment &amp; Tools</li> </ul>
SPECIAL CLASSIFICATIONS:	Commercial, Residential, Service
Application Information:	Please contact the above number for dates and times.

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## **IRON WORKERS**

IRON WORKERS APPRENTICESHIP SCHOOL

32121 Schoolcraft, Livonia, Michigan 48150

Mike Relyin, Director

TEL.	734-421-1050
FAX	734-421-1764

LENGTH OF PROGRAM: 4 Years

REQUIREMENTS: Applicants must have a High School Diploma or GED. Applicants must be 18 year of age or older, pass a physical exam and submit to a drug test.

There are many benefits to be gained through the Iron Workers Apprenticeship Program.

1. An opportunity to learn a trade in the most respected craft of the building & construction trades.
2. An opportunity to become a union member of the International Association of Bridge, Structural & Ornamental Iron Workers.
3. the opportunity to "earn" journeyman status which is recognized throughout the US and Canada. This journeyman status is security for you and your family for life.
4. The advantage of earning fair and reasonable wage and fringe benefits, such as, the health & welfare, pension, annuity and vacation plans.

Apprentices earn while they learn, working on the job alongside journeymen. In addition, they attend classes of related and supplemental instruction, usually 180 hours per year for 4 years. These classes are held one full day every 2 weeks. The apprentice is paid while employed by a contractor to attend class.

The road to becoming a journeyman Iron Worker is through apprenticeship training. The Iron Workers apprenticeship is a well organized and supervised method of training people with little or no knowledge of the craft. Apprenticeship is necessary to become a journeyman Iron Worker qualified in all segments of the trade.

COURSES TAKEN: Concrete Reinforcing, Concrete Post-tensioning, Machinery Moving and Rigging, Structural Steel Erection, Ornamental Iron, Welding, Sheeting, transits, Fencing, Finishing Conveyors , Pre-cast Concrete Erection, Blue Print Reading Oxygen-Acetylene Cutting , Carbon Arc Cutting, Plasma Arc Cutting

SCOPE OF WORK: Iron Workers are employed in five segments of the trade, working in commercial, industrial, and residential areas:

- Structural Iron Workers - assemble, erect and install the fabricated iron sections using bolts and by welding.

- Reinforcing Iron Workers - fabricate and place steel bars in concrete forms to reinforce concrete structures.
- Ornamental Iron Workers - install metal stairways, cat walks, gratings, iron ladders, metal window sashes, glass, curtain walls, window walls, doors, gates, fences, screens, elevator fronts, platforms, and railings. They also install decorative iron work.
- Riggers and Machinery Movers - load, unload, move and set machinery, equipment, and material using cranes, derricks, forklifts or by hand, utilizing a series of blocks and tackle. Riggers have knowledge of fiber line rope, hooks, skids, rollers, proper hand signals and hoisting equipment.

Application Information: Please contact the above number for dates and times.

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## **LABORERS**

MICHIGAN LABORER'S TRAINING CENTER

11155 S. Beardslee Road, Perry, Michigan 48872

Lynn Coleman, Director

TEL.	517-625-4919
FAX	517-625-4046

[www.mltai.org](http://www.mltai.org)

LENGTH OF PROGRAM: Apprenticeship requires 4,000 hours of diversified work and training, no less than 332 hours of related instructional classes.

REQUIREMENTS: Applicants must be a minimum of 18 years old and pass a drug test. Applicants must be physically able to perform work of the trade. Completion of 80 hour pre-apprenticeship training program.

COURSES REQUIRED DURING TRAINING: All apprentices must complete 4,000 hours on the job, general skills training in the following areas: Grading/Compaction, Site Preparation, Stockpiling, Concrete Placement, Mason Tending, Pipe laying, Grade Checking, Environmental Remediation

SCOPE OF WORK: Laborers work jurisdiction is divided into four general categories:

- Commercial - the laborer may tend masons, place concrete, work with operators in site preparation, tend carpenters, clean up site.
- Highway - the laborer will lay sewer and water mains, check road grade for operators, place concrete and asphalt, break and remove old concrete.
- Underground - the laborer works as a pipe layer, tailman, top man while installing sewer, water and gas mains.
- Industrial construction - involves all new construction, remodeling, and demolition

in factory type buildings.

TOOLS USED:	Hammers, Shovels, Rakes, Pry Bars, Wheelbarrows, Compactors, Concrete Vibrators, Cutting Torches, transit/Levels, Laser Aligners, Rough Terrain Forklifts, Water Pumps, Compressors, Concrete Buggies, Cut -Off Saws
CERTIFICATIONS REQUIRED:	Laborers must be certified to work in any of the Environmental Clean-up industries such as: Asbestos, Hazardous Waste, or Lead Removal.
RETRAINING/ UPGRADING COURSES FOR JOURNEYMEN:	Classes are offered to journeymen who wish to upgrade or cross-train within their work jurisdiction. These courses are from one day to three weeks in length, depending on the course.
Application Information:	Please contact the above number for dates and times.

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## **MILLWRIGHTS**

### MILLWRIGHTS 1102 APPRENTICESHIP AND TRAINING

27555 Mound Road, Warren, Michigan 48902

Skip Stransky , Director

TEL.	586-573-4660
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FAX	586-573-2468
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**\*\*\* Millwrights will be handing out applications from 2/7/05 to 2/11/05 between 8:30 am and 12:30 pm and from 2/14/05 to 2/18/05 between 8:30 am and 12:30 pm. Return applications will be accepted on 2/21/05 and 2/22/05 between 8:30 am to 12:30 pm \*\*\***

LENGTH OF PROGRAM:	4 Years. Minimum hours of related classroom instruction per year: 672. 30-day probationary period.
REQUIREMENTS:	High School Diploma or GED-18 yrs. minimum with US citizenship. Driver's license & reliable transportation to travel throughout the souther half of Michigan area required. Applications must be picked up by the applicant usually during the beginning of the year for 2 weeks only. Please phone us in late December/early January for the exact time and dates.  Apprenticeship is guided by the United Brotherhood of Carpenters and Joiners of America Apprenticeship and training.
COURSES REQUIRED DURING TRAINING:	History of the trade, Metallurgy, Shaft Alignment, Layout Tasks, Power Tools, Shop Math, General Millwright Theory, Metal Cutting/Burning, Safety , Precision Tools,

Machinery Installation, Gears/Bearings, Lubrication, Optical/Laser Alignment, Blueprint Reading, Conveyors I & II, Rigging/ Turbines/Generators, Machinery Repair, Welding

**SCOPE OF WORK:**

The Millwright is a construction mechanic whose skills are in the areas of moving, leveling, aligning, and installing large machinery. Also incorporated into the Millwright's scope is rigging, erecting, splicing of belts, cleaning, lubricating and replacing gears, fabrication and installation of conveyor systems, turbines and generators, automated systems, and welding. Millwrights also repair all of the above systems as well as install them.

**TOOLS USED:**

Apprentices are trained to utilize a variety of tools and equipment, some of which require other tradesmen to operate. The Millwright must be knowledgeable in the meaning of hand signals and the use of mechanical hand tools. Precision alignment tools, optical levels, hydraulic jacks, oxyacetylene torches, and chain falls are common equipment found on the jobsite.

**CERTIFICATIONS:**

The Apprenticeship Program is registered with the U.S. Department of Labor (Bureau of Apprenticeship & Training) and the Michigan Department of Education.

**Application Information:**

Please contact the above number for dates and times.

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## **OPERATING ENGINEERS**

### OPERATING ENGINEERS JOINT APPRENTICESHIP TRAINING PROGRAM

275 E. Highland Road, Howell, Michigan 48843

Lee Graham (Director)

John Hartwell (Apprentice Coordinator)

TEL.	517-546-9610
FAX	517-546-9793

**LENGTH OF PROGRAM:**

6,000 hours

**REQUIREMENTS:**

Apprentice applicants must be High School graduates or possess GED certificate and be at least 18 years old at time of application. Michigan residency is required. Applicants must have reliable transportation and possess a Michigan driver's license. Applicants must pass a physical examination, meet drug screening requirements and take a written aptitude test.

**COURSES REQUIRED DURING TRAINING:**

Construction & Shop Equipment Orientation, Fuels /Oils/ Lubricants/ Coolants, Tires/tracks/Undercarriages, Intro. to Hydraulics/Engines/ Power trains, Brakes & Steering, Intro. to Oxygen/Acetylene, Intro. to Welding/Welding Applications, Grade Stakes & Their Use in Construction, Crane Types & Applications, Soils & Materials,

Safety & Emergency First Aid, Apprentice Block training

**SCOPE OF WORK:**

Operating Engineers operate and maintain heavy and portable construction equipment, including but not limited to: bulldozers, excavators, scrapers, graders, loaders, and cranes. With this equipment they perform digging, hauling and leveling operations to build roads; excavate material for basements and footings; excavate sewer, pipeline and utility trenches; unload heavy material on building projects; and maintain machinery.

**CERTIFICATIONS REQUIRED:**

- HazMat 40-Hour
- Hazmat Recertification ( 8 Hrs. of training annually)
- Emergency First Aid & CPR
- Commercial Driver's License (crane & forklift)

**RETRAINING/ UPGRADE COURSES:**

Classes are available in all construction equipment and in the following areas: Apprentice Field training, Asbestos training, Crane, Distribution, Fork Lift, Grade Stakes & Planning, HazMat 40-hr. Certification, Mine Safety, OSHA 500, Welding

**Application Information:**

Please contact the above number for dates and times.

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## **PAINTERS**

### PAINTERS APPRENTICE SCHOOL

14587 Barber Street, Warren Michigan 48088

Robert Wells, Apprentice Instructor

TEL.	586-552-4481
FAX	586-552-4482

**LENGTH OF PROGRAM:**

3 Years

**REQUIREMENTS:**

High School Diploma or GED, no color blindness, no aversion to heights.

**COURSES REQUIRED DURING TRAINING:**

Lead Abatement, Paper/vinyl hanging, Color Mixing/Matching, Sand/Water Blasting, Blueprint Reading, Wood Finishing, Ladders/Scaffolds, Decorative Finishes, Spray Painting, Special Coatings

**SCOPE OF WORK:**

Painters prepare the surfaces of buildings and other structures and then apply paint, varnish, enamel, lacquer, and similar materials to these surfaces. A painter must be skilled in handling brushes and other painting tools in order to apply paint thoroughly, uniformly, and rapidly to any type of surface.

TOOLS USED: Scaffolding (including "swing stages" and "bosun chairs"), Spray guns, Brushes, Rollers, Scrapers, Wallpaper/Vinyl tools.

Application Information: Please contact the above number for dates and times.

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## **PIPEFITTERS**

PIPEFITTING INDUSTRY TRAINING CENTER

636 Executive Drive, Troy, Michigan 48084

Larry Giroux, Director of Training

TEL.	248-585-0636
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FAX	248-585-3907
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LENGTH OF PROGRAM: 5 Years

REQUIREMENTS: High School Diploma or GED. Applicants must be 18 years old and have a valid Michigan driver's license. The following academic courses are preferred: High School math, science, architectural drawing, welding, auto mechanics and machine shop.

COURSES REQUIRED DURING TRAINING: Welding, Drafting, Steam/Hydronic Heating, Use of hand tools, Rigging, Basic Pneumatics, Refrigeration, Safety, Hazardous Waste

SCOPE OF WORK: Pipe Fitters install both high-and low-pressure pipes that carry hot water, steam, and other liquids and gases, especially those in industrial and commercial buildings.

TOOLS USED: Wrenches, Drills, Braces and Bits, Hammers, Chisels/Saws, Meters. Power machines are often used to cut, bend, and thread pipe. Hand-operated hydraulic pipe benders are also used. Pipe Fitters use gas torches, as well as welding, soldering and brazing equipment.

CERTIFICATIONS REQUIRED:

- CFC Reclaim
- Hazwoper
- Welding (United Association certified)
- Valve Repair

Application Information: Please contact the above number for dates and times.

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## **PLASTERERS**

### PLASTERERS LOCAL 67

1154 E. Lincoln Avenue, Madison Heights, MI 48071

Jack McCool, Business Manager

TEL.	248-591-6700
FAX	248-591-0671

LENGTH OF PROGRAM:	3 Years
REQUIREMENTS:	Applicants must have a High School Diploma or GED. Applicants must be 18 years old.
SCOPE OF WORK:	Plasterers finish interior walls and ceilings by using a one, two or three-coat system over interior lathe. They install insulated finish systems, apply stucco to exterior walls and ceilings, and soundproof and fireproof buildings.
TOOLS USED:	Hawk trowel, Pointing trowel, Mitre Tools
Application Information:	Please contact the above number for dates and times.

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## **PLUMBERS**

### PLUMBING INDUSTRY TRAINING CENTER

1911 Ring Dr., Troy, MI 48083

Carl Schroeder, Director of Training

TEL.	248-585-1435
FAX	248-585-1437

LENGTH OF PROGRAM:	5 Years
REQUIREMENTS:	Applicants must have a High School Diploma or GED, and be 18 years of age. The following academic courses are preferred: high school math, science, architectural drawing, welding, auto mechanics and machine shop.
SCOPE OF WORK:	Plumbers alter, repair, maintain and install plumbing systems, plumbing fixtures and appliances, water distribution and waste disposal systems. Plumbers also install the medical gas systems in health care facilities.
CERTIFICATIONS REQUIRED	<ul style="list-style-type: none"><li>• Medical Gass Installation Certification</li></ul>

FOR GRADUATION:

- Cross Connection Control
- Welding (certified by the United Association)
- Hazwoper
- Brazing Certification

RETRAINING/ UPGRADING COURSES FOR JOURNEYMEN:

- Blueprint reading
- Code
- Math

TOOLS USED:

Wrenches, Braces and bits, Reamers, Hammers, Drills, Chisels, Saws  
Power machines are often used to cut, bend, and thread pipe. Hand-operated hydraulic pipe benders are also used. In addition, plumbers use welding, soldering and brazing equipment.

Application Information:

Applications for apprenticeship are available on a daily basis between the hours of 9 a.m. and Noon at the Local #98 Union Hall, Plumbers Training Center (Mon. - Fri. 9:00 - 3:00) or, Goodwill Industries of Detroit (3111 Grand Rive, Detroit, MI 48208, Tel. 313-964-3900)

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## **ROOFERS & WATERPROOFERS**

ROOFERS LOCAL 149/SMRCA APPRENTICESHIP SCHOOL

10621 Capital, Oak Park, MI 48237

Bob Drogosch, Coordinator

TEL.	248-543-3847
FAX	248-543-3871

LENGTH OF PROGRAM:

3 Years

REQUIREMENTS:

Applicants must be 18 years of age and have dependable vehicle to get to work.

COURSES REQUIRED DURING TRAINING:

Safety, First Aid with CPR, Asbestos/Lead Awareness, Math, Roofing Systems, Estimating, Blueprint Reading, Equipment Maintenance

CLOTHING REQUIRED:

Cotton pants, High-top work boots, long-sleeve shirt, cotton gloves, safety glasses

SCOPE OF WORK:

A commercial roofer works on ...  
All types of commercial buildings, from the small corner store to the huge "square miles" of automotive plants, buildings ranging in height from one story to the tallest 100-story skyscrapers.  
The commercial roofer installs a wide variety of roofing materials, generally on flat roofs. The roofs are generally made up of hot tar, hot asphalt, modified bitumen, or

rubber membrane.

You need the desire to work hard and develop good work ethics, including showing up for work on time, maintaining a positive attitude, and the ability to work as part of a team. The tools and clothing required are very basic.

TOOLS USED: Claw hammer, Utility Knife, Pointed trowel

Application Information: Please contact the above number for dates and times.

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## ***SHEET METAL WORKERS***

### SHEET METAL WORKERS LOCAL 80 TRAINING CENTER

32700 Dequindre, Warren, Michigan 48092

Steve Murzen, Training Director

TEL.	586-979-5190
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FAX	586-979-4282
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### SHEET METAL WORKERS LOCAL 292 TRAINING CENTER

64 Park Street, Troy, MI 48083

Fred Engelman, Administrator

TEL.	248-589-3237
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FAX	248-589-0071
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LENGTH OF PROGRAM: 5 Years

REQUIREMENTS: High School Diploma or GED. Applicants must be 18 Years Old. Extra consideration given for high grades in math courses. Prefer drafting, shop and welding classes.

COURSES REQUIRED DURING TRAINING: Welding, Visualization, Sheet Metal Layout, Field Measuring, Computer Technology, Computer-Aided Drafting, Architectural Sheet metal, Detailing, Technical Math, Testing/Adjusting/Balancing, Air Conditioning

SCOPE OF WORK: Sheet Metal Workers fabricate and install ducts that are used in ventilating, air-conditioning, and heating systems. They also fabricate and install a wide variety of other products made from thin metal sheets, such as roofing and siding, metal decks, gutters, flashings and dust-collecting systems. Sheet Metal Workers also fabricate metal used in paint ovens and spray booths.

CERTIFICATIONS:	<ul style="list-style-type: none"> <li>• Various Welding Certifications</li> <li>• National Testing, Adjusting, &amp; Balancing (both optional)</li> </ul>
TOOLS USED:	Tin snips, Hammers, Power-driven shears, Soldering tools, Welding tools, Hand/press Brakes, Cutting Torches, Air & Water Measuring Instruments
RETRAINING/ UPGRADING COURSES:	Architectural Sheet Metal I, Air Conditioning Service I, Computer Technology I, Computer Aided Detailing I, Detailing I to IV, First Aid, Gas Heating Service I, Testing, Adjusting, & Balancing I to V, trade Mathematics I, Welding I & II, Welding Certification
Application Information:	Please contact the above number for dates and times.

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## ***SPRINKLER FITTERS***

SPRINKLER FITTERS APPRENTICESHIP SCHOOL

32500 W. Eight Mile Road, Farmington, Michigan 48336

Bob Williams, Director

TEL.	248-473-8259
FAX	248-474-0798

LENGTH OF PROGRAM:	5 Years
REQUIREMENTS:	High School Diploma or GED; Math Skills Stressed. Also necessary is the ability to manage heavy equipment and lift loads in excess of 100 lbs. Sprinkler fitters work in narrow spaces and on ladders and high scaffolding.
COURSES REQUIRED DURING TRAINING:	National Fire Protection Association Codes, Safety, Fire Pumps, Underground Piping, Hazardous Waste Operations, Emergency Response, Soldering, Brazing, Testing and Maintenance of Sprinkler Systems, etc., Emergency Response
SCOPE OF WORK:	Sprinkler Fitters install fire suppression systems of all types, wet and dry, carbon dioxide, foam, etc. They work in both commercial and residential buildings. Work includes unloading, handling and installing piping, tubing and related materials. Sprinkler Fitters install overhead and underground water mains, fire hydrants and hydrant mains, standpipes and hose connections, sprinkler tanks heaters, air lines and thermal systems connected to sprinkler and alarm systems.

Fire suppression systems included tri-Water, CO2, Halon, Dry Chemicals, Foam, and others.

CERTIFICATIONS REQUIRED:

- Asbestos Awareness
- Hazwoper
- CPR

RETRAINING/ UPGRADING COURSES AVAILABLE:

- Retrain/Upgrade for Asbestos Awareness, Hazwoper  
- NFRA Code Classes-Sprinkler System Testing/Maintenance -Soldering/Brazing

TOOLS USED:

Pipe Cutting Machines, Torches

Application Information:

Please contact the above number for dates and times.

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TILE, MARBLE AND TERRAZZO MASONS

JOINT APPRENTICE TRAINING CENTER

21030 Ryan Rd., Warren, MI 48091

Robert Wilson, Business Manager

TEL.	586-757-5019
FAX	586-757-6094

LENGTH OF PROGRAM:

4 Years

REQUIREMENTS:

Applicants must be 18 years of age, be in possession of a valid driver's license and have completed two years of high school. Residency in Wayne, Oakland, Macomb, Monroe, St. Clair, Sanilac, Washtenaw, Lenawee and Livingston counties is required. Twelve weeks of pre-apprentice training is required.

COURSES REQUIRED DURING TRAINING:

Math, Masonry Science, Blueprints, Swimming Pools, Safety, Stairs

SCOPE OF WORK:

Tile Layers construct walls, partitions, fireplaces, swimming pools and other structures from tile, marble and terrazzo. they use other materials such as cement, epoxy, tile, stone, marble, terrazzo and terra cotta.

CERTIFICATIONS:

- Bureau of Apprenticeship training
- Bricklayers Union

TOOLS USED:

Chisels, Tile Hammers, Mason's Levels, trowels, Gage Lines, tile Nippers, Floats,

Plumb Bobs, Straight Edges

RETRAINING/ UPGRADING  
COURSES FOR JOURNEYMEN:

- Welding
- Blueprints
- Terrazzo
- Ceramic Tile
- Marble/Stone

Application Information:

Please contact the above number for dates and times.