

MICHIGAN  
CONSTRUCTION  
CAREERS

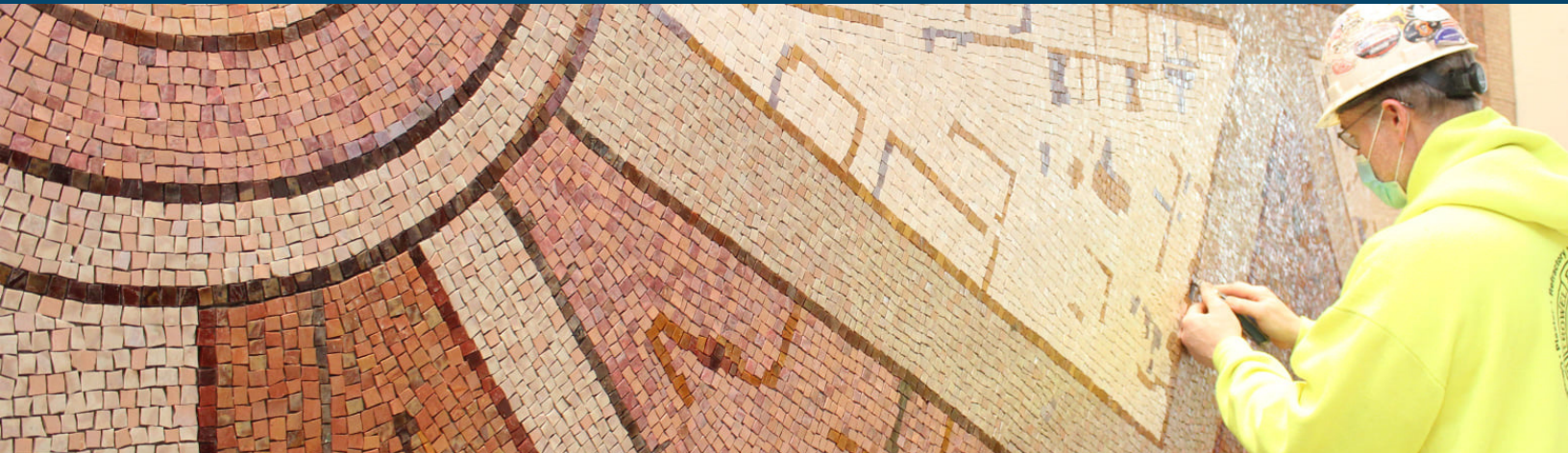


# MICHIGAN CONSTRUCTION APPRENTICESHIP GUIDEBOOK

[CONSTRUCTIONCAREERSMI.COM](http://CONSTRUCTIONCAREERSMI.COM)



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# BOILERMAKERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination



Reliable  
Transportation

## Scope of Work

Assemble boilers, tanks, vats, and pressure vessels according to blueprint specifications, using power tools and hand tools. The duties of the boilermaker include welding, acetylene burning, riveting, caulking, rigging, fitting up, grounding, reaming, and impact machine operating. 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.

## Length of Program

The apprenticeship program spans four years.

## Contact

### Boilermakers Local 169

1755 Fairlane Dr.  
Allan Park, MI 48101  
(313) 584-8520  
Ashley@boilermakerslocal169.org



### Great Lakes Area Boilermakers Apprenticeship Program

(GLABAP) @ Boilermakers Local 85  
319 Glenwood Road  
P.O. Box 95  
Rossford, OH 43460  
(419) 666-7761  
bl85tc.net



# BRICKLAYERS & ALLIED CRAFTS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test



Successful completion  
of 12-week pre-job  
training program

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## Scope of Work

BAC (Bricklayers and Allied Crafts) Local 2 represents all facets of the masonry sciences: brick and block, stone, cement, plaster, pointing/cleaning/caulking (restoration and preservation), refractory and tile, marble, and terrazzo. These are used in the construction of walls, partitions, fireplaces, chimneys, and other structures. They also install the fire brick linings of kilns and industrial furnaces. Learn more about the crafts represented at [MichiganBricklayers.com](http://MichiganBricklayers.com).

## Length of Program

Three or four year apprenticeship, depending on the craft selected.

## Contact

### Michigan Trowel Trades Apprenticeship and Training

Howard Hipes, Apprenticeship Coordinator

21031 Ryan Road, Warren, MI 48091

3321 Remy Drive, Lansing, MI 48906

PH: (586) 757 - 6658 CELL: (517) 749-1102

[howard.hipes@michiganbricklayers.org](mailto:howard.hipes@michiganbricklayers.org)



# CARPENTERS & MILLWRIGHTS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test



Pass basic  
Mathematics  
Proficiency Test

## Scope of Work

**Carpenters:** Carpenters measure, saw, level, and nail wood and other building materials. But they do more than that. They also install tile and insulation, acoustical ceilings, cabinets, and siding. Their skills are employed on a wide range of construction projects, from homes to skyscrapers, tunnels to bridges, and highways to monuments.

**Millwrights:** A millwright is a skilled craftsman in the industrial construction industry. Their expertise is in the art of moving, installing, aligning, and leveling machinery and conveyor systems in a safe, efficient, and precise manner.

## Length of Program

Four-year apprenticeship, classes one day every two weeks.

## Contact

[RealApprenticeship.com](http://RealApprenticeship.com)

**Detroit Union Carpenters & Millwrights Skilled Training Center**  
11687 American Ave.  
Detroit, MI 48204  
Tel: (248) 541-2740

**Saginaw Carpenters Training Center**  
3160 Commerce Centre Dr.  
Saginaw, MI 48601  
Tel: (989) 323-7201

**Grayling Carpenter Training Center**  
2410 Industrial Dr.  
Grayling, MI 49738  
Tel: (989) 753-1487

**Wayland Carpenter & Millwrights  
Apprentice Training Center**  
500 Reno Dr.  
Wayland, MI 49348  
Tel: (269) 561-8115

**Negaunee Carpenters & Millwrights Training Center**  
370 US Hwy 41 East  
Negaunee, MI 49866  
Tel: (906) 228-2913



# CEMENT MASONS & PLASTERERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test

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## Scope of Work

**Cement Masons** smooth and finish the surfaces of poured concrete floors, walls, sidewalks, and curbs, using hand and power tools.

**Plasterers** typically apply coats of plaster to interior walls, ceilings, and partitions in buildings to produce finished surfaces. They can install or produce decorative panels, cornices, and moldings. You'll also find them restoring elaborate historic buildings, and even working on sets for video and theatrical productions.

## Length of Program

The apprenticeship generally spans 3 years or 3600 hours in length. Plasterers attend classes one day every 2 weeks while Cement Mason training is held during the winter months.

## Contact

### Michigan Cement Masons and Plasterers

Tommy Sanchez, Training Coordinator

2630 S. Grand Traverse St. Flint, MI 48053

Tel: (313) 350-0389

Email: [tsanchez@opcmiami.org](mailto:tsanchez@opcmiami.org)

[myskillforlife.com](http://myskillforlife.com)



# ELECTRICIANS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination



Reliable  
Transportation



Minimum one  
year algebra

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## Scope of Work

The work of Electrical Construction Workers (Inside Wiremen) can be divided into broad categories such as new construction, remodeling, maintenance, and repair. While the jobs differ, the mental and physical skills acquired in a properly designed and administered training program prepare the electrical worker for this entire range of work.

During a career as an electrical construction worker, a person will likely be involved in many different types of jobs presenting many new and different challenges, working with his or her hands as well as with their mind. Much of the work involves installation, assembling, testing, repairing, layout, and design of electrical wiring, fixtures, and apparatus used for power, light, heating, air conditioning, and many types of control systems. Many jobs now incorporate computers. Due to the nature of the work, above-average math and reading skills are essential.

## Length of Program

Five year apprenticeship, class one day every two weeks.

## Contact

[ConstructionCareersMI.com/Your-Future-Trades/Electricians](http://ConstructionCareersMI.com/Your-Future-Trades/Electricians)



# ELEVATOR CONSTRUCTORS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination



Reliable  
Transportation

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## Scope of Work

Elevator constructors handle the installation, repair, and maintenance of elevators, escalators, moving walks, dumbwaiters, manlifts, all types of handicap lifts.

## Length of Program

Four years of classroom and on-the-job training.

## Contact

### Elevator Constructors Local 36

1640 Porter Street  
Detroit , MI 48216  
(313) 961-0717  
FAX (313) 961-0986  
Local36@sbcglobal.net

### Elevator Constructors Local 44

2300 Ashland Avenue Room 206  
Toledo, OH 43620  
(419) 242-7902  
FAX (419) 242-6627  
luec44@aol.com

### Elevator Constructors Local 85

15694 South US 27  
Lansing , MI 48906  
(517) 882-0100  
FAX (517) 882-1970  
www.iuec85.org





# HEAT & FROST INSULATORS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test



Reliable  
Transportation

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## Scope of Work

The work of the insulators today covers industrial, commercial, transportation and cryogenics. Industrial applies to all types of industries such as chemical process and petrochemical. The commercial field includes building, building services and refrigerated spaces. Transportation includes the insulation of trucks, trailers, railroad cars and ships. Cryogenics is the field of low temperature service, such as required by liquefied gases. The insulators worker today works with many types of materials, such as fiberglass, cork and calcium silicate. They insulate hot and cold piping, refrigerant lines, duct work boilers and tanks.

## Length of Program

4-year apprenticeship, one evening a week (approximately September through May).

## Contact

### Local 25 - Detroit

21353 Bridge St.  
Southfield, MI 48033  
(248) 352-1850  
FAX (248) 352-1851  
HeatFrostInsulators.org

### Local 47 - Lower Michigan

419 Washington  
Square Suite 301  
Lansing, MI 48933  
(517) 708-0665



# IRON WORKERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test



Valid  
Transportation

## Scope of Work

Iron Workers erect structural steel and precast concrete as well as place reinforcing steel bars and cables in concrete construction. They move, rig and erect machinery, and install fabricated building components. You'll find them placing a variety of ornamental steel, aluminum, and other building components — such as stairways, catwalks, grating, grills, conveyors and screens — all the while maintaining tolerances specified in building plans.

## Length of Program

The apprenticeship generally spans four years, with class held for one day every two weeks, and the remainder of the training occurring on the job.

## Contact

### Detroit Apprenticeship

Matt Rajda, Training Coordinator  
50490 West Pontiac Trail  
Wixom, Michigan 48393  
Tel: (248) 960 - 2130  
matt.rajda@iw25tc.org

### West Michigan Apprenticeship

3020 Corporate Grove Drive  
Hudsonville, MI 49426  
Tel: (248) 960 - 2130



# LABORERS

## Minimum Qualifications



18 years  
or older



Driver's  
License



Clean Drug  
Test



Reliable  
Transportation

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## Scope of Work

Construction Craft Laborers are members of the Laborers International Union of North America. They are skilled construction workers who work in one or more of four specific categories: commercial construction, highway construction, underground construction and environmental remediation.

## Length of Program

The LIUNA Training of Michigan offers an apprenticeship program requiring 4,000 hours of diversified work and training with no less than 300 hours of related instructional classes.

## Contact

### Perry

11155 S Beardslee Rd  
Perry, Michigan 48872  
Tel: (517) 625-4919  
SMCDonald@MLTAI.org

### Iron Mountain

W-8008 South US2  
Iron Mountain, MI 49801  
Tel: (906) 774 - 5703  
TSTEIN@MLTAI.org



### Wayne

5555 Cogswell Road  
Wayne, MI 48184  
Tel: (517) 279 - 7005  
SMCDonald@MLTAI.org

### St. Joseph

211 Hilltop Rd  
St Joseph, MI  
Tel: (517) 625 - 4919  
SMCDonald@MLTAI.org



# OPERATING ENGINEERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test



Reliable  
Transportation



Successful completion  
of 2-week pre-job  
training program

## Scope of Work

Operating Engineers operate and maintain heavy and portable construction equipment. They are the men and women who run bulldozers and scrapers on highway projects, cranes on building projects, hydraulic backhoes on sewer and water line installations, as well as large machines like asphalt plants. Their work is often seasonal in nature with considerable exposure to weather, especially when their machinery has an open cab.

## Length of Program

The apprenticeship program spans approximately four years with 6,000 hours of both on-the-job and classroom training.

## Contact

### Howell

275 E Highland Rd  
Howell, MI 48843  
Tel: (517) 546 - 9610  
[OE324.org/training](http://OE324.org/training)

### Gladstone

802 Clark Drive  
Gladstone, MI 49837  
Tel: (906) 225 - 7273  
[OE324.org/training](http://OE324.org/training)



# PAINTERS & GLAZIERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination



Reliable  
Transportation

## Scope of Work

Work includes indoor and outdoor work, brush/roller/spray, with most work being more than 10' off the ground (towers, tall buildings, etc.). Painters prepare surfaces of buildings and other structures and then apply paint by means of brushes, rollers or sprayers. Work with varnish, enamels, lacquer and other materials. May also paint interior rooms or cover walls with paper, fabrics, vinyls or other materials (paperhanger). The painters must be able to mix paints as well as do sandblasting and waterblasting.

## Length of Program

Three-year apprenticeship program, 4 hours per week (day or evening).

## Contact

**Painters Apprentice School -**

**Painters District Council 1-M**

14587 Barber

Warren, Michigan 48088

(586) 552-4481

FAX (586) 552-4477

IUPATDC1michigan.org

Territories Covered: The Entire State of  
Michigan



# PLUMBERS & PIPEFITTERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination



Reliable  
Transportation

## Scope of Work

### Plumbers

Responsible for the installation of water line systems to kitchens, bathrooms, lavatories, etc., in residential, commercial, and industrial buildings. Also install natural gas and air lines. Assemble, install and repair pipes, fittings, and fixtures according to specifications and plumbing codes. Measure, cut, thread, bend, install, and tests pipes and pipefittings. Work according to blueprints, specifications, and working drawings to perform the work required in the sequence of installations.

### Pipefitters

Install piping systems that carry hot water, steam, air, or other liquids or gases needed for industrial production, or other uses. Install both high or low-pressure systems, especially in industrial and commercial buildings. Lay out, fabricate and assemble pipes from drawings, blueprints, and specifications. They also work on pipes for heating and cooling systems and install automatic fire sprinkler systems in buildings.

## Length of Program

Five-year apprenticeship program.



## Contact

[ConstructionCareersMI.com/Your-Future-Trades/Plumbers-Pipefitters](https://ConstructionCareersMI.com/Your-Future-Trades/Plumbers-Pipefitters)



# ROOFERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination



Reliable  
Transportation

## Scope of Work

Roofers specialize in putting roofs on buildings and other structures to make them waterproof and weatherproof. They apply composition shingles, tile, slate, and composition roofs. They use modern equipment to handle their materials, thereby lessening the physical exertion that was formerly required. Roofers are also called on to waterproof and damp-proof walls and other building surfaces.

## Length of Program

Three-year apprenticeship, classes one day a week (September through May).

## Contact

### Roofers and Waterproofers Local 70 Apprentice School

1451 Old Pinckney Road

Howell, MI 48843

(517) 548-4839

FAX (517) 548-5398

apprenticeship@rooferslocal70.com

### Roofers Local 149 Apprentice School

10621 Capital

Oak Park, MI 48237

(248) 543-3847

FAX (248) 543-3871



# SHEET METAL WORKERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination



Reliable  
Transportation

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## Scope of Work

Fabricates and installs ducts used in heating, ventilating, and air conditioning (HVAC) systems. In addition, fabricates and installs other products such as metal roof decks, architectural sheet metal products, paint ovens, spray booths, dust collecting systems, and food service equipment. Work is laid out on metal sheets from blueprints, formed, fabricated and installed on the job site.

## Length of Program

Three-year apprenticeship, classes one day a week (September through May).

## Contact

[ConstructionCareersMI.com/Your-Future-Trades/Sheet-Metal-Workers](https://ConstructionCareersMI.com/Your-Future-Trades/Sheet-Metal-Workers)





# SPRINKLER FITTERS

## Minimum Qualifications



18 years  
or older



High School  
Diploma  
or GED



Driver's  
License



Clean Drug  
Test & Pre-Physical  
Examination

Reliable  
Transportation

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## Scope of Work

Work consists of installation of fire suppression systems of all types, wet and dry, CO2, foam, etc.

## Length of Program

5-year apprenticeship program, with classes one day every other week for the first four and a half years.

## Contact

### Sprinkler Fitters Local 704 - Training Center

Kevin Hill, Director - Cell (248) 993-0704

32500 West Eight Mile Road

Farmington, MI 48336

(248) 473-8259

FAX (248) 474-0798

khill38704@gmail.com



# US DOL OFFICE OF APPRENTICESHIP IN MICHIGAN

## State Director

Tiffanie L. Clawson  
315 W Allegan Street  
Lansing, MI 48933  
clawson.tiffanie.l@dol.gov  
Office: (517) 377-1747  
Cell: (269) 601-2820

## Apprentice & Training Representatives (ATP)

### Detroit:

Marybeth Koski  
Office: (313) 226-6208  
koski.marybeth@dol.gov

Stephanie Vomvolakis  
Office: (313) 226-6207  
Cell: (313) 858-7751  
vomvolakis.stephanie.c@dol.gov

### Lansing:

Steven Long  
Office: (517) 377-1746  
Cell: (517) 914-5185  
long.steven.r@dol.gov

### Battle Creek:

Michiko Alvarenga  
Cell: (517) 302-6398  
alvarenga.michiko.d@dol.gov



# APPRENTICE READINESS PROGRAMS

If you are looking to get into a building trades union, ARP is the perfect opportunity for you.

Apprentice Readiness Programs or ARP, are designed to assist people to prepare to be successful in applying to one of the construction trades programs in Michigan.

The curriculum is taught by professionals and may include the following: Safety training (OSHA 30); Construction math; Proficiency in using construction tools and equipment; trades and job site orientation; building a suitable resume, financial literacy, and more. The experience gained in ARP prepares people to enter the construction workforce in Michigan with the skills, knowledge, and confidence to succeed in the construction trades.

ARPs are generally developed to assist challenged segments of the population: women, people of color, veterans, and the under-employed.

Here is a list of ARP programs and contact information in Michigan:

- **Access for All (Detroit)**  
[DetroitMI.gov/document/access-all-program](http://DetroitMI.gov/document/access-all-program)
- **Women in Skilled Trades (Lansing)**  
[WISTMichigan.org](http://WISTMichigan.org)
- **MI Dept of Transportation (MDOT)**  
[MIRoad2work.org/apprentice-readiness-programs](http://MIRoad2work.org/apprentice-readiness-programs)
- **Vision for Prosperity (Branch, Calhoun, Kalamazoo, St Joseph)**  
[MichiganWorksSouthwest.org/training/vision-for-prosperity](http://MichiganWorksSouthwest.org/training/vision-for-prosperity)



# MICHIGAN CONSTRUCTION CAREERS



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TAKE THE FIRST STEP AT  
[CONSTRUCTIONCAREERSMI.COM](http://CONSTRUCTIONCAREERSMI.COM)**