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## Construction Workers...

...spend time indoors, outdoors, in confined spaces, on the ground, or hundreds of feet in the air. They must be able to work with others, plan ahead, visualize a completed project, work without close supervision and adapt to a fast-paced, ever-changing, sometimes dangerous construction environment. Intelligence, physical strength, mechanical aptitude, initiative and a positive attitude are traits of successful construction tradespeople.



**For more information or speakers, call Pam Mohler,  
AGC NW Ohio  
and  
Alliance of Construction Professionals  
419-241-3601  
e-mail [pmohler@agcnwo.com](mailto:pmohler@agcnwo.com).**

## Construction Trades Apprentice Programs *are* Post- Secondary Education Programs, only better!

- 1.) PAID on the job training and classroom training
- 2.) Benefits such as healthcare and contributions toward your retirement

## Construction Trades Apprentice Programs have admission requirements which may include *some* of the following:

Application fee (approximately \$10 - \$20)  
Birth Certificate  
Social Security Card  
Valid Driver's License  
High School Diploma or GED  
High School Grade Transcript or GED Test Results  
DD-214 if a Veteran  
Pass Drug Test  
Interview  
Mechanical Aptitude Test

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To learn more about these  
construction trades.

Boilermakers  
Bricklayers  
Carpenters  
Cement Masons  
Craft Laborers  
Electricians  
Floor Layers  
Glaziers  
Ironworkers  
Insulators  
Millwrights & Piledrivers  
Painters  
Plasterers  
Plumbers  
Roofers  
Sheet Metal Workers  
Tile Setters

For more information or speakers, call  
Pam Mohler  
AGC NW Ohio  
and  
Alliance of Construction Professionals  
419-241-2907  
e-mail [pmohler@agcnwo.com](mailto:pmohler@agcnwo.com)



## Receive Credit Toward Your Associate Degree.

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## Explore Some More.

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[www.IBuildAmerica.com](http://www.IBuildAmerica.com)  
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## Additional Resources.

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

[www.ohiomeansjobs.com](http://www.ohiomeansjobs.com)

[www.toledoconstruction.com](http://www.toledoconstruction.com)  
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# Boilermaker

## What They Do

Boilermakers assemble, install, maintain and repair boilers, pressure vessels, smoke stacks, storage tanks, pollution control equipment, duct work, etc., in industries such as electric power generation stations, oil and chemical refineries, nuclear power plants, and steel mills. Boilermakers measure, mark, layout, fabricate, install align, fit, level, grind, bolt, torque and weld metal plate, vessel, equipment and components. They also perform rigging operations to lift, move, set, assemble or disassemble equipment or materials with the use of cranes, hoists, chain falls, and “come-a-longs.” Boilermakers also assemble and disassemble cranes.

## Working Conditions

Sometimes called “industrial athletes,” boilermakers work indoors, outdoors, in confined spaces, on the ground, or hundreds of feet in the air. They must be able to work with others, plan ahead, visualize a completed project, work without close supervision and adapt to a fast-paced, ever-changing, sometimes dangerous construction environment. Intelligence, physical strength, mechanical aptitude, initiative and a positive attitude are traits of successful boilermakers.

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Boilermaker** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$36.25 per hour
Benefits =	<u>\$26.12 per hour</u>
Total =	\$62.37 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of 18 to apply
- Physically capable of performing the work
- No fear of heights, confined spaces, or hazardous work

## Educational Background Recommended

Reading, math, geometry, welding, drafting, blueprint reading, geometric and projection drawing

## Next Steps After Meeting General and Admission Requirements

- Call: 419-666-7761 to learn when applications are accepted, then
- Apply at:

Boilermakers Local 85 Training Program  
319 Glenwood Road  
Rossford, OH 43460  
[www.bl85tc.net](http://www.bl85tc.net)

- Fax: 419-666-1933

## Terms of Apprenticeship Training

- Apprenticeship shall be 4 years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training
- Computer skills will be beneficial for online/correspondence lessons

*The recruitment, selection, employment, training and promotion of apprentices shall be without discrimination based on race, color, national origin, ancestry, sex, religion, disability/handicap or veteran status.*



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

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# Bricklayer

## What they Do

Masons typically do the following:

- Read blueprints or drawings to calculate materials needed
- Lay out patterns or foundations using a straightedge
- Break or cut bricks, stones, or blocks to their appropriate size
- Mix mortar or grout and spread it onto a slab or foundation
- Lay bricks, blocks, or stones according to plans
- Clean excess mortar with trowels and other hand tools
- Construct corners with a corner pole or by building a corner pyramid
- Ensure that a structure is perfectly vertical and horizontal, using a plumb bob and level
- Clean and polish surfaces with hand or power tools
- Fill expansion joints with the appropriate caulking materials

**Brickmasons** and **blockmasons**—often called **bricklayers**—build and repair walls, floors, partitions, fireplaces, chimneys, and other structures with brick, precast masonry panels, concrete block, and other masonry materials.

**Pointing, cleaning, and caulking workers** repair brickwork, particularly on older structures on which mortar has come loose. Special care must be taken not to damage the structural integrity or the existing bricks.

**Refractory masons** are brickmasons who specialize in installing firebrick, gunite, castables, and refractory tile in high-temperature boilers, furnaces, cupolas, ladles, and soaking pits in industrial establishments. Most of these workers are employed in steel mills, where molten materials flow on refractory beds from furnaces to rolling machines. They also are employed at oil refineries, glass furnaces, incinerators, and other locations with manufacturing processes that require high temperatures.

**Stonemasons** build stone walls, as well as set stone exteriors and floors. They work with two types of stone: natural-cut stone, such as marble, granite, and limestone; and artificial stone, made from concrete, marble chips, or other masonry materials. Using a special hammer or a diamond-blade saw, workers cut stone to make various shapes and sizes. Some stonemasons specialize in setting marble, which is similar to setting large pieces of stone.

Source: [www.bls.gov](http://www.bls.gov)

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Bricklayer** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$29.94 per hour
Benefits =	<u>\$19.31 per hour</u>
Total =	\$49.25 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of 17 to apply
- American citizen or declaration of intent
- Capable of performing the work of the trade

## Education Background Recommended

- Reading, math, science, drafting, blueprint reading

## Next Steps After Meeting General and Admission Requirements:

- Call 419-531-5911 to learn when applications are accepted, then
- Apply at:

Northwest Ohio Construction Education Center  
Bricklayers JATC  
4535 Hill Avenue  
Toledo, OH 43615-5301

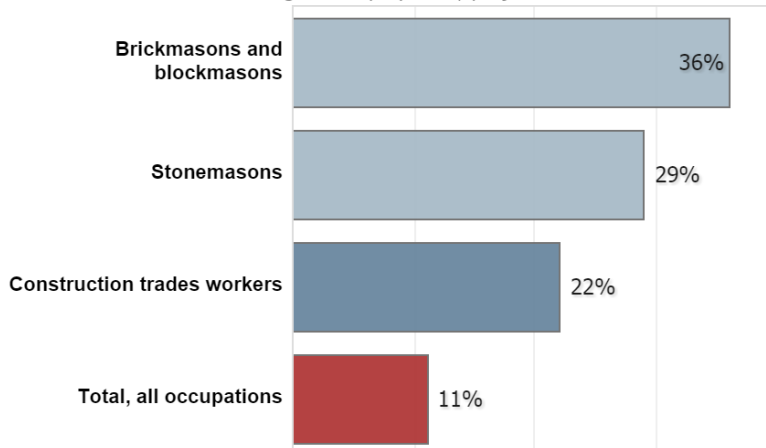
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- Apprenticeship shall be 4 years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

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## Brickmasons, Blockmasons, and Stonemasons

Percent change in employment, projected 2012-22



Note: All Occupations includes all occupations in the U.S. Economy.

Source: U.S. Bureau of Labor Statistics, Employment Projections program



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# Carpenter

## What They Do

Carpenters are one of the most versatile construction occupations, with workers usually doing many different tasks. For example, carpenters frame and erect roofing, partitions, floors, plastic and temporary weather protection, they perform the moving and rigging of all carpenter materials, cut and frame openings for pipes, ducts, conduits, install interior and exterior trim, install plasterboard and acoustical materials, install, nail, tie and fasten lath, and so much more.

Carpenters use many different hand and power tools to cut and shape wood, plastic, fiberglass, or drywall. They commonly use hand tools, including squares, levels, and chisels, as well as many power tools, such as sanders, circular saws, nail guns, and welding machines. Carpenters fasten materials together with nails, screws, staples, and adhesives, and do a final check of their work to ensure accuracy.

The following are examples of types of carpenters:

**Industrial carpenters** typically work in civil and industrial settings, where they build scaffolding and create and set forms for pouring concrete. Some industrial carpenters build tunnel bracing or partitions in underground passageways and mines to control the circulation of air to worksites. Others build concrete forms for tunnels, bridges, dams, power plants, refineries, or sewer construction projects.

**Commercial carpenters** typically remodel and help build commercial office buildings, hospitals, hotels, schools, and shopping malls. Some specialize in working with light-gauge and load-bearing steel framing for interior partitions, exterior framing, and curtain wall construction. Others specialize in working with concrete forming systems and finishing interior and exterior walls, partitions, and ceilings. Most commercial carpenters perform many of the same tasks as residential carpenters.

**Residential carpenters** typically specialize in new-home, townhome, and condominium building and remodeling. As part of a single job, they might build and set forms for footings, walls, and slabs, and frame and finish exterior walls, roofs, and decks. They also frame interior walls, build stairs, and install drywall, crown molding, doors, and cabinets. In addition, residential carpenters may tile floors and lay wood floors and carpet. Fully trained construction carpenters can easily switch from new-home building to remodeling.

Source: [www.bls.gov](http://www.bls.gov) and local CBA

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Carpenter** can receive this compensation package as of 5/2017.

Base Wage Rate =	\$29.05 per hour
Benefits =	\$20.58 per hour
Total =	\$49.63 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of 17 ½ to apply
- Capable of performing the work of the trade

## Education Background Recommended

- Reading, math, science, blueprint reading, welding

## Next Steps After Meeting General and Admission Requirements

- Call 419-872-4651 to learn when applications are accepted
- Apply at:

Northwest Ohio Carpenters  
Joint Apprentice & Training Committee  
9270 Bass Pro Blvd.  
Rossford, OH 43460  
[www.ohcap.org](http://www.ohcap.org)

## Terms of Apprenticeship Training

- Apprenticeship shall be 4 years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

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Source: [www.bls.gov](http://www.bls.gov)



Source: [www.bls.gov](http://www.bls.gov)



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## Additional Resources.

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

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

[www.ohiomeansjobs.com](http://www.ohiomeansjobs.com)

[www.toledoconstruction.com](http://www.toledoconstruction.com)  
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# Cement Mason

## What They Do

Cement masons pour, smooth, and finish concrete floors, sidewalks, roads, and curbs. Cement masons typically do the following:

- Set the forms that hold concrete in place
- Install reinforcing rebar or mesh wire to strengthen the concrete
- Signal truck drivers to facilitate the pouring of concrete
- Spread, level, and smooth concrete, using a trowel, float, or screed
- Mold expansion joints and edges
- Monitor curing (hardening) to ensure a durable, smooth, and uniform finish
- Apply sealants or waterproofing to protect concrete

Concrete is one of the most common and durable materials used in construction. Once set, concrete—a mixture of cement, sand, gravel, and water—becomes the foundation for everything from floors to huge dams or miles of roadways.

The following are examples of types of cement masons:

**Cement masons and concrete finishers** place and finish concrete. They may color concrete surfaces, expose aggregate (small stones) in walls and sidewalks, or make concrete beams, columns, and panels. Throughout the process of pouring, leveling, and finishing concrete, cement masons must monitor how the wind, heat, or cold affects the curing of the concrete. They must have a thorough knowledge of the characteristics of concrete so that they can determine what is happening to the concrete and take measures to prevent defects.

Some small jobs may require the use of a supportive wire mesh called lath. On larger jobs, reinforcing iron and rebar workers install the reinforcing mesh.

Source: [www.bls.gov](http://www.bls.gov)

## Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Cement Mason** can receive this compensation package as of 7/2017

Base Wage Rate =	\$28.59 per hour
Benefits =	\$20.37 per hour
Total =	\$48.96 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications:

- Minimum age of 17 ½ to apply
- American citizen or declaration of intent
- Capable of doing the work of this trade

## Education Background Recommended:

- Reading, math, science, drafting, blueprint reading, mechanical drawing

## Next Steps After Meeting General and Admission Requirements:

- Call 419-531-5911 to learn when applications are accepted, then
- Apply at:

Northwest Ohio Construction Education Center  
Cement Masons JATC  
4535 Hill Avenue  
Toledo, OH 43615-5301

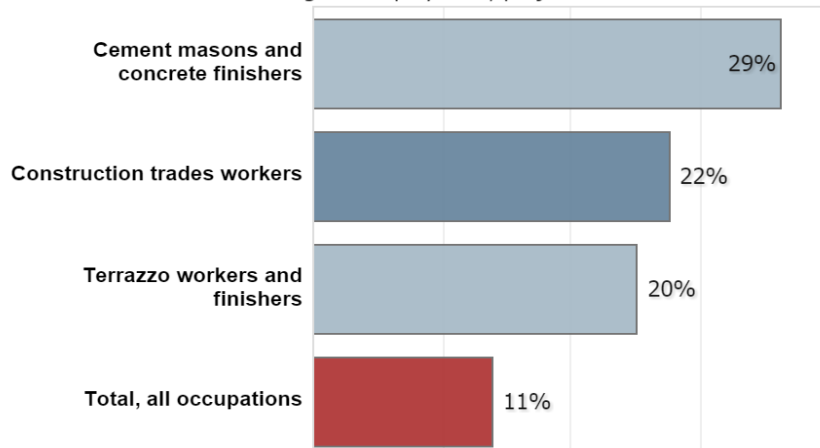
## Terms of Apprenticeship Training

- Apprenticeship shall be 4 years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

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### Cement Masons and Terrazzo Workers

Percent change in employment, projected 2012-22



Note: All Occupations includes all occupations in the U.S. Economy.

Source: U.S. Bureau of Labor Statistics, Employment Projections program



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## Additional Resources.

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[www.ohiomeansjobs.com](http://www.ohiomeansjobs.com)

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# Craft Laborer

## What They Do

Construction craft laborers and helpers typically do the following:

- Clean and prepare construction sites by removing debris and possible hazards
- Load or unload building materials to be used in construction
- Build or take apart bracing, scaffolding, and temporary structures
- Dig trenches, backfill holes, or compact earth to prepare for construction
- Operate or tend equipment and machines used in construction
- Help craft workers with their duties
- Follow construction plans and instructions from supervisors or more experienced workers
- Pour and place concrete
- Install underground sewer lines
- Place asphalt on streets, bridges and highways
- Work on oil and gas pipeline

Construction craft laborers and helpers work on almost all construction sites, performing a wide range of tasks from easy to the extremely difficult and hazardous. Many of the tasks require training and experience.

It is often said construction craft laborers are the first tradespeople to begin working on a jobsite, and the last ones to leave before a project is turned over to its owner.

Source: local union office and [www.bls.gov](http://www.bls.gov)

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Craft Laborer** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$26.03 per hour
Benefits =	\$14.12 per hour
Total =	\$40.15 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of 18 years old to apply
- Must be physically capable of performing the work of the trade

## Education Background Recommended

- Math, mechanical drawing and blueprint reading

## Next Step After Meeting General and Admission Requirements

- To learn when applications are being accepted, call or visit:

419-243-3279

Laborers' Local No. 500

2270 Ashland Avenue

Toledo, OH 43620

[www.laborerslocal500.org](http://www.laborerslocal500.org)

## Terms of Apprenticeship Training

- Apprenticeship is 4 years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

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# Electrician

## What They Do

Electricians typically do the following:

- Read blueprints or technical diagrams
- Install and maintain wiring, control, and lighting systems
- Inspect electrical components, such as transformers and circuit breakers
- Identify electrical problems with a variety of testing devices
- Repair or replace wiring, equipment, or fixtures using hand tools and power tools
- Follow state and local building regulations based on the National Electric Code
- Direct and train workers to install, maintain, or repair electrical wiring or equipment

Almost every building has an electrical power, communications, lighting, and control system that is installed during construction and maintained after that. These systems power the lights, appliances, and equipment that make people's lives and jobs easier and more comfortable.

Electricians read blueprints, which are technical diagrams of electrical systems that show the location of circuits, outlets, and other equipment. They use different types of hand and power tools, such as conduit benders, to run and protect wiring. Other commonly used hand and power tools include screwdrivers, wire strippers, drills, and saws. While troubleshooting, electricians also may use ammeters, voltmeters, thermal scanners, and cable testers to find problems and ensure that components are working properly.

Many electricians work alone, but sometimes they collaborate with others. For example, experienced electricians may work with building engineers and architects to help design electrical systems for new construction. Some electricians may also consult with other construction specialists, such as elevator installers and heating and air conditioning workers, to help install or maintain electrical or power systems. At larger companies, electricians are more likely to work as part of a crew; they may direct helpers and apprentices to complete jobs.

Source: [www.bls.gov](http://www.bls.gov)

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Electrician** can receive this compensation package as of 1/2016.

Base Wage Rate =	\$37 per hour
<u>Benefits =</u>	<u>\$20 per hour</u>
Total =	\$57 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of seventeen and a half (17 ½) to apply
- Provision of military training/experience verification

## Educational Background Recommended

Algebra I and II, geometry, trigonometry, advanced math, physics, chemistry, physical sciences, industrial arts, mechanical drawing and CAD, computer literacy/programming, related career-technical courses

## Terms of Apprenticeship Training

- Apprenticeship shall be five (5) years (6 periods)
- Apprenticeship includes on-the-job, hands-on training, as well as classroom training.

## Application and Information

Toledo Electrical JATC  
803 Lime City Road  
Rossford, OH 43460  
Phone: 409-666-8088 Fax: 419-666-0336  
[www.tejatc.org](http://www.tejatc.org)

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# Glazier

## What They Do

Glaziers must be able to move heavy pieces of glass, while gently placing them into place. Glaziers typically:

- Follow blueprints or specifications
- Remove old or broken glass before installing replacement glass
- Cut glass to the specified size and shape
- Make or install sashes or moldings for glass installation
- Fasten glass into sashes or frames with clips, moldings, or other types of fasteners
- Add weather seal or putty around pane edges to seal joints

Glass has many uses in modern life. For example, insulated and specially treated glass keeps in warm or cool air and controls sound and condensation. Tempered and laminated glass makes doors and windows more secure. The creative use of large windows, glass doors, skylights, and sunroom additions makes buildings bright, airy, and inviting.

On commercial interior projects, glaziers install items such as heavy, often etched, decorative room dividers or security windows. Glazing projects also may involve replacing storefront windows for supermarkets, auto dealerships, banks, and many other establishments.

For most large-scale construction jobs, glass is pre-cut and mounted into frames at a factory or a contractor's shop. The finished glass arrives at the jobsite ready for glaziers to position and secure into place. Using cranes or hoists with suction cups, workers lift large, heavy pieces of glass for installation. In cases where the glass is not secure inside the frame, glaziers may attach steel and aluminum sashes or frames to the building, and then secure the glass with clips, moldings, or other types of fasteners.

Source: [www.bls.gov](http://www.bls.gov)

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Glazier** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$28 per hour
Benefits =	<u>\$15.64 per hour</u>
Total =	\$43.64 per hour

Benefits include health insurance, pension and other retirement accounts, as well as life-time training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of 18 to apply
- Must be physically capable of performing the work of the trade

## Educational Background Recommended

- Math, blueprint reading, mechanical aptitude

## Terms of Apprenticeship Training

- Apprenticeship shall be four (4) years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

## Next Step after Meeting General and Admission Requirements

- Call 419-476-7505 to learn when applications are accepted, then:
- Apply at:  
Painters & Glaziers (IUPAT) Union Hall  
1308 West Sylvania Avenue  
Toledo, Ohio 43612

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Source: [www.bls.gov](http://www.bls.gov)



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# Insulator

## What They Do

Insulation workers install and replace the materials used to insulate buildings and their mechanical systems to help control and maintain temperatures, prevent burns, control moisture and control noise. Insulation workers typically do the following:

- Remove old insulation and dispose of it properly
- Read blueprints and specifications to determine job requirements
- Determine the amount and type of insulation needed
- Measure and cut insulation to fit into walls and around pipes
- Fasten insulation in place with staples, tape, or screws
- Use compressors to spray insulation into some spaces
- Install plastic barriers to protect insulation from moisture
- Work on Nuclear Power plant refueling
- Work on refinery shut downs and major projects involving piping.
- Read Blue Prints and job specification
- Install Insulation on pumps, valves and tanks.
- Engineer and custom fit Sewn insulation blankets and install.
- Work on chilled water, hot water and cryogenics on commercial projects
- Weld steel necessary for Insulation installation in some applications
- Penetrations, Fire proofing, weatherproofing all insulation
- Fireproof food service ducts and insulate all HVAC.
- Sound attenuation

Source: [www.bls.gov](http://www.bls.gov)

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Insulator** has this approximate compensation package as of 7/2017.

Base Wage Rate =	\$30.89 per hour
Benefits =	\$26.39 per hour
Total =	\$57.28 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of seventeen and a half (17 ½) to apply

## Education Background Recommended

- Math, mechanical drawing, metal working, industrial arts

## Next Steps After Meeting General and Admission Requirements

- Call 419-531-5911 to learn when applications are accepted, then:
- Apply at:

Northwest Ohio Construction Education Center  
Insulator JATC  
4535 Hill Avenue  
Toledo, OH 43615-5301

## Terms of Apprenticeship Training

- Apprenticeship shall be five (5) years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

*The recruitment, selection, employment, training and promotion of apprentices shall be without discrimination based on race, color, national origin, ancestry, sex, religion, disability/handicap or veteran status.*



Source: [www.bls.gov](http://www.bls.gov)



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## Additional Resources.

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[www.toledoconstruction.com](http://www.toledoconstruction.com)

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# Ironworker

## What They Do

Structural iron and steel workers install iron or steel beams, girders, and columns to form buildings, bridges, and other structures. They are commonly referred to as ironworkers. Here are some typical jobsite activities:

- Unload and stack prefabricated steel so that it can be lifted easily with slings
- Use a crane to lift steel beams, girders, and columns into place
- Stand on beams or girders to help position pieces that are being lifted
- Signal crane operators for positioning of the structural steel
- Align beams and girders into position
- Verify vertical and horizontal alignment of the structural steel
- Connect columns, beams, and girders with bolts or by welding them into place
- Use metal shears, torches, and welding equipment to cut, bend, and weld the steel

When building tall structures such as a skyscraper, ironworkers erect steel frames and assemble the cranes and derricks that move structural steel, reinforcing bars, buckets of concrete, lumber, and other materials and equipment around the construction site. Workers also connect steel columns, beams, and girders according to blueprints and instructions from construction supervisors. A few also may install precast walls or work with wood or composite materials.

Although most of the work involves erecting new structures, some ironworkers also may help in the demolition, decommissioning, and rehabilitation of older buildings and bridges.

As they work, ironworkers use a variety of tools. They use rope (called a tag line) to guide the steel while it is being lifted; they use spud wrenches (long wrenches with a pointed handle) to put the steel in place; and they use driftpins or the handle of the spud wrench to line up the holes in the steel with the holes in the framework. To check for alignment, they may use plumb bobs, laser equipment, or levels.

Structural steel generally arrives at the construction site ready to be installed—cut to the proper size, with holes drilled for bolts and numbered for assembly.

Source: [www.bls.gov](http://www.bls.gov)

### Let's look at compensation.

In NW Ohio an individual who has the skills of a **Journeyman Ironworker** can receive this compensation package as of 1/2016.

Base Wage Rate =	\$30 per hour
Benefits =	<u>\$22.74 per hour</u>
Total =	\$52.74 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of 17 years old to apply
- Physically capable of performing the work
- Must possess a good work ethic

## Education Background Recommended

- Math, algebra, geometry, physics, mechanical drawing, welding, blueprint reading

## Next Steps After Meeting General and Admission Requirements

- To learn when applications are being accepted, visit or call:

Ironworkers Apprenticeship Training Center  
1078 Atlantic Avenue  
Toledo, OH 43609  
419-382-3080

## Terms of Apprenticeship Training

- Apprenticeship shall be four (4) years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

## Note: No Cost for Training

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# Millwright/Pile Driver

## What They Do

Millwrights install and conduct maintenance on conveyor systems, escalators, giant electrical turbines and generators. They install and do maintenance on machinery in factories and do much of the precision work in nuclear power plants. They are skilled construction mechanics who study and interpret blueprints and then put their knowledge and expertise to work drilling, welding and bolting.

Pile drivers are the people who work with pile-driving rigs. They work on big machines that look like cranes, but shake the ground as they drive metal, concrete or wood piling into the earth during the early stages of construction. Pile Drivers are some of the first workers at the construction site.

Millwrights & Pile Drivers generally work eight-hour days. Although millwrights work indoors much of the time on installation and maintenance work, their duties also involve working on the outside of buildings and other structures, in situations often requiring the use of scaffolding.

Pile Drivers generally may be required to work nights and weekends and to travel long distances on projects like bridges, highways and overpasses. Overalls, hard hats, gloves, eye protection and steel-toed boots are worn by pile drivers to protect them from falling objects and the dirt, oil and debris associated with heavy equipment and machinery.

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Millwright/Pile Driver** can receive this compensation package as of 5/2017.

Base Wage Rate =	\$31.21 per hour
<u>Benefits =</u>	<u>\$22.07 per hour</u>
Total =	\$53.28 per hour

Benefits include health insurance, pension and other retirement accounts, as well as free training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of seventeen and a half (17 ½) to apply

## Educational Background Recommended

Reading, math, machine trades, welding, drafting and blueprint reading

## Terms of Apprenticeship Training

- Apprenticeship shall be four (4) years
- Apprenticeship includes on-the-job, hands on training, as well as classroom training

## Application and Information

Northwest Ohio Carpenters, Millwrights, Pile Drivers'  
Joint Apprentice & Training Committee  
9270 Arena Drive Rossford, OH 43460  
Telephone: 419-872-4651 Fax: 419-872-4753  
[www.ohcap.org](http://www.ohcap.org)

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# Painter

## What They Do

Painters prepare surfaces and then apply paint by means of brushes, rollers or sprayers. They work with varnish, enamels, lacquer, and other substances. They may also paint interior rooms or cover walls with paper, fabrics, vinyl, or other materials (paperhanger). They must be able to mix paints as well as do sandblasting and water blasting.

## Working Conditions

Painters work both indoors and out. Outside work is done in relatively mild weather. In some jobs, especially maintenance and redecoration of offices and buildings, the painter may be required to work evenings or weekends. Work is seasonal; however, new materials and methods tend to allow for more steady employment throughout the year. Physical and health hazards include the dangers of poisoning, falling from ladders and scaffolds, breathing paint fumes and dust. The work involves standing, bending, climbing and working with arms over the head much of the time. Painters must have manual dexterity as well as steady nerves to work in high places. They should not be allergic to or bothered by paint fumes, toxic materials and spray dust. They should have a certain artistic sense in order to do a first-class job. Good eyesight and sense of color is especially important to properly mix paint to specific colors.

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Painter** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$25.39 per hour
Benefits =	<u>\$16.49 per hour</u>
Total =	\$41.88 per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of seventeen and a half (17 ½)

## Education Background Recommended

- Reading, chemistry, math, blueprint reading

## Next Steps After Meeting General and Admission Requirements

- Call 419-476-7505 to learn when and how to apply

Painters Local 7  
1308 West Sylvania Ave.  
Toledo, OH 43612

## Terms of Apprenticeship Training:

- Apprenticeship shall be three (3) years
- Apprenticeship includes on-the-job, hands on training,
- as well as classroom training

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# Plasterer

## What they Do

Plasterers are the building craftsmen who apply plaster to interior walls and ceilings to form fire-resistant and relatively soundproof surfaces, which may then be decorated. They also apply stucco to exterior walls (exterior insulation finish system) and cast ornamental designs in plaster.

## Working Conditions

Some of the work is done outdoors and depends on weather conditions. While most plastering jobs are indoors, sometimes plasterers work on high scaffolds. Plastering requires considerable standing, bending, lifting and reaching overhead. The trade requires good manual and artistic skills. Persons should enjoy working with their hands and accept working outdoors in various weather conditions.

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Plasterer** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$28.01	per hour
Benefits =	\$17.98	per hour
Total =	\$45.99	per hour

Benefits include health insurance, pension and other retirement accounts, as well as training.

# How Can You Get Involved?

## General Qualifications

- Minimum age of 17.5 to apply
- Must be physically capable of performing the work of the trade

## Education Background Recommended

- Reading, math, science, mechanical drawing, industrial arts

## Next Steps After Meeting General and Admission Requirements

- Call 419-531-5911 to learn when applications are accepted, then:
- Apply at:

Northwest Ohio Construction Education Center  
Plasterers JATC  
4535 Hill Avenue  
Toledo, OH 43615-5301

## Terms of Apprenticeship Training

- Apprenticeship shall be four (4) years
- Apprenticeship includes on-the-job, hands on training and classroom training

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# Roofers

## What they Do

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 upon to waterproof and damp-proof walls and other building surfaces.

## Working Conditions

With the exception of waterproofing of some walls, Roofers work outdoors in all kind of weather and only shut down operations when the weather becomes too severe. Most of the time roofers work on the top of buildings installing roofing materials. In their work, they do a great deal of climbing, kneeling, standing and walking. Roofers must have no fear of height; have a good sense of balance and a better-than average sense of safety for themselves and their co-workers. Persons wishing to enter this type of work should enjoy working with their hands and accept working outside, sometimes in unpleasant weather conditions.

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Roofer** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$26.41 per hour
<u>Benefits =</u>	<u>\$19.43 per hour</u>
Total =	\$45.84 per hour

Benefits include health insurance, pension and other retirement accounts, as well as free training.

# How Can You Get Involved?

## General Qualifications:

- Minimum age of 18 to apply
- Must be physically able to perform the work of the trade

## Education Background Recommended:

- Math, science, mechanical drawing

## Next Steps After Meeting General and Admission Requirements:

- Call 419-531-5911 to learn when applications are accepted, then:
- Apply at:

Northwest Ohio Construction Education Center  
Roofers and Waterproofers JATC  
4535 Hill Avenue  
Toledo, OH 43615-5301

## Terms of Apprenticeship Training:

- Apprenticeship shall be four (4) years
- Apprenticeship includes on-the-job, hands on training and classroom training

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<u>Benefits =</u>	<u>\$19.43 per hour</u>
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Benefits include health insurance, pension and other retirement accounts, as well as free training.

# How Can You Get Involved?

## General Qualifications:

- Minimum age of 18 to apply
- Must be physically able to perform the work of the trade

## Education Background Recommended:

- Math, science, mechanical drawing

## Next Steps After Meeting General and Admission Requirements:

- Call 419-531-5911 to learn when applications are accepted, then:
- Apply at:

Northwest Ohio Construction Education Center  
Roofers and Waterproofers JATC  
4535 Hill Avenue  
Toledo, OH 43615-5301

## Terms of Apprenticeship Training:

- Apprenticeship shall be four (4) years
- Apprenticeship includes on-the-job, hands on training and classroom training

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# Sheet Metal Worker

## What they Do

Sheet Metal Workers fabricate and install ducts used in heating, ventilating, and air conditioning (HVAC) systems. In addition, they fabricate and install other products such as metal roof decks, architectural sheet metal products, paint ovens, spray booths, dust collecting systems, and food service equipment. The work is laid out on metal sheets from blueprints, formed, fabricated and installed on the job site.

## Working Conditions

Sheet Metal Workers are unique due to the fact that they do a great deal of shop fabrication compared to the other construction trades. The products to be installed begin from a flat sheet of metal. The sheet metal worker develops the patterns from shop drawings. After the components are fabricated, they are delivered to the job site for installation. People interested in becoming sheet metal workers must have the ability to follow instructions. The understanding of blueprints and the ability to work within close tolerances is necessary. They must also enjoy working with their hands and have the ability to think for themselves without constant supervision.

### Let's look at compensation.

In NW Ohio, an individual who has the skills of a **Journeyman Sheet Metal Workers** can receive this compensation package as of 7/2017.

Base Wage Rate =	\$31.55 per hour
<u>Benefits =</u>	<u>\$30.01 per hour</u>
Total =	\$61.56 per hour

Benefits include health insurance, pension and other retirement accounts, as well as free training.

# How Can You Get Involved?

## General Qualifications

- Minimum of age 18 to apply
- Physical abilities to perform the work of the trade
- Successfully complete written examination and personal interview

## Education Background Recommended

- Reading, math, algebra, geometry, trigonometry, mechanical drawing, general metal fabrication, welding

## Next Steps After Meeting General and Admission Requirements

Toledo Area Sheet Metal JATC, Local No. 33  
27430 Crossroads Parkway  
Toledo, OH 43460  
Telephone: 419-873-9964 Fax: 419-873-9968  
[www.smwlu33.org](http://www.smwlu33.org)

## Terms of Apprenticeship Training

- Apprenticeship shall be five (5) years
- Apprenticeship includes on-the-job, hands on training and classroom training

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