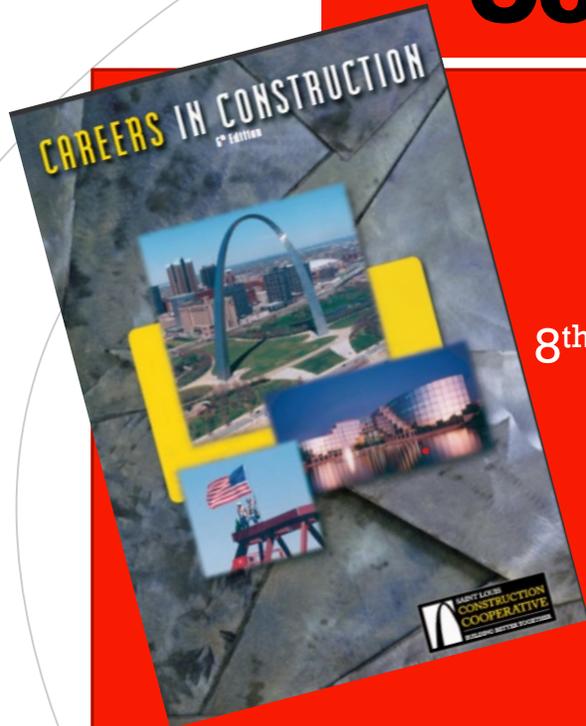


**CONSTRUCTION  
FORUM**

CONSTRUCTFORSTL.ORG

# Construction Career Resources



## **St. Louis Construction Cooperative**

6<sup>th</sup> edition available now!

[https://issuu.com/studio2108llc/docs/slcc\\_booklet\\_final](https://issuu.com/studio2108llc/docs/slcc_booklet_final)

8<sup>th</sup> edition available online mid-June with scanner QR barcode

<https://stlouisconstructioncooperative.org/construction-careers>

## **Southern Illinois Builders Association**

[www.siba-agc.org](http://www.siba-agc.org)

## **Construction Forum**

[www.constructforstl.org](http://www.constructforstl.org) (Newsletter 2x a week)

Complete the “Optin” form to receive the newsletter

**Mission:** “To facilitate the collaboration of all the stakeholders in the STL Region’s built environment in creating inclusive, robust employment and economic growth.”

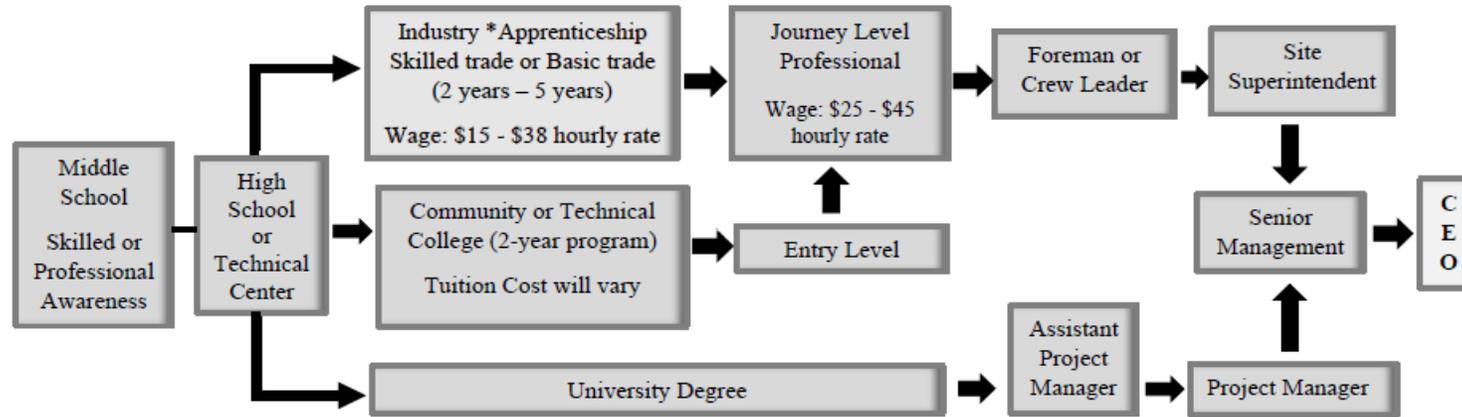
# CONSTRUCTION FORUM

CONSTRUCTFORSTL.ORG

## CONSTRUCTION FORUM

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Construction careers in today's market are all about knowledge and attitude. Wherever you are in your education there is a way to start learning and investigating a path that works for you. If you enjoy using your hands, using your mind and working in a team environment, the construction industry in the built environment might be the profession for you. Below is a basic career path for the construction industry.



\*Apprenticeship includes insurance and benefits and- in some unions- Associate Degree Credits

**Mission:** “To facilitate the collaboration of all the stakeholders in the STL Region's built environment in creating inclusive, robust employment and economic growth.”

# Industry K-12 Programs

Boomtown Build: <http://www.juniorfirstlegoleague.org/boomtown-build-challenge-now-available>

Build Your Future: [www.byf.org](http://www.byf.org)

Building Futures: <https://building-futures.org/>

ConstructReach: [paulrobinson@constructreach.org](mailto:paulrobinson@constructreach.org)

Construction Career Development Initiative: [Rachelboemer@ccdi.org](mailto:Rachelboemer@ccdi.org)

Dream Builders 4 Equity: <https://dreambuilders4equity.org/>

Exploring Skilled Trades: [Ryan.Kirchner@scouting.org](mailto:Ryan.Kirchner@scouting.org)

Missouri Women in Trades (MOWIT): [www.mowit.org](http://www.mowit.org)

National Association of Women in Construction: <https://nef-edu.org/k-12-education/>

PEOPLE of Construction: <http://peopleofconstruction.org/about/>

SkilledEd: S.M. Wilson: [www.smwilson.com/skilled](http://www.smwilson.com/skilled)

The Lit Shop: <https://www.litshopstl.org>

R3 Development (Illinois): [www.r3development.org](http://www.r3development.org)

Southern Illinois Builders Association: [siba@siba-agc.org](mailto:siba@siba-agc.org)

# Feedback

1. What challenges are you seeing or hearing about in providing awareness for your students interested in the industry?
2. What resources do you need to support your professional learning and development about the construction industry?
3. Other thoughts, ideas or questions?

Email or call me at:

[diana@constructforstl.org](mailto:diana@constructforstl.org) or 314-280-3722

**Mission:** “To facilitate the collaboration of all the stakeholders in the STL Region’s built environment in creating inclusive, robust employment and economic growth.”

# 2019 METRO CONSTRUCTION CAREER EXPO

Belle-Clair Fairgrounds | 200 South Belt East | Belleville, IL

*Earn as you  
learn with no  
college debt!*

**OPEN HOUSE** 5 - 7 pm | Oct. 30, 2019

You are invited to attend an evening session where you can learn more about the potential for you to have a great career in the construction trades and earn as you learn while avoiding college debt. Materials to be shared include wage and fringe benefit packages for varying trade careers and how you can start preparing for a future in the construction trades.

### **STRONG FUTURE DEMAND FOR:**

**PAINTERS | CARPENTERS | CEMENT MASONS**

**ELECTRICIANS | PLUMBERS/PIPE FITTERS**

**LABORERS | IRON WORKERS | SHEET METAL WORKERS**

**OPERATING ENGINEERS | PLASTERERS**

**\$35/hr. average wage, plus \$22/hr. in benefits!**



**QUESTIONS?**

Contact Donna Richter,  
Chief Executive Officer,

Southern Illinois Builders Association,  
618.624.9055 or dmr@siba-agc.org.

## 21<sup>st</sup> ANNUAL CONSTRUCTION INDUSTRY CAREER EXPO

**WELCOME!**

This Expo is designed to give you a “hands-on” experience with some of the construction trades. The following descriptions provide an overview of some of the careers available in the construction industry. We are looking forward to this event and we hope that you find it a rewarding experience.

### WHAT CAN YOU EXPECT TO EARN?

TRADE	WAGE + BENEFITS	1 <sup>ST</sup> YR APPR.
Boilermakers	\$38.04+ \$24.08	70% of wage
Bricklayers	\$31.25+ \$20.39	40% of wage
Carpenters (Residential) (Commercial)	\$30.00 + \$17.97 \$39.58 + \$17.97	\$15.00 (Residential) , \$19.79 (Commercial) (plus benefits on both)
Cement Masons	\$35.25 + \$25.35	50% of wage
Plasterers	\$33.75 + \$20.50	40% of wage
Electricians	\$41.83 + \$24.53	50% of wage
Iron Workers	\$34.50 + \$27.63	65% of wage
Laborers	\$30.00 + \$26.72	75% of wage
Operating Engineers	\$37.30 + \$33.35	50 % of wage
Painters	\$29.86 + \$19.43	50 % of wage
Plumbers & Gasfitters Local 360	\$39.95 + \$17.35	35% of wage
Plumbers & Pipefitters Local 101	\$40.05 + \$17.25	35% of wage
Plumbers & Pipefitters Local 553	\$43.06 + \$15.35	45 % of wage
Roofers	\$33.30 + \$18.52	\$16.65 + \$6.05 benefits
Sheet Metal Workers	\$37.04 + \$21.64	\$15.42 + benefits
Steamfitters	\$40.25 + \$19.39	50 % of wage

### **Southern Illinois Builders Association**

1468 Green Mount Road

O'Fallon, IL 62269

(618) 624-9055

(618) 624-9065

[www.siba-agc.org](http://www.siba-agc.org)

[siba@siba-agc.org](mailto:siba@siba-agc.org)

Donna Richter, CEO



SOUTHERN ILLINOIS  
CONSTRUCTION ADVANCEMENT  
PROGRAM

## BOILERMAKERS

Boilermakers and boilermaker mechanics make, install and repair boilers, vats and other large vessels that hold liquid or gases. Boilers supply steam to drive huge turbines in electric power plants and to provide heat and power in the building, factories, and ships. Tanks and vats are used to process and store chemicals, oil, beer and hundreds of other products. Following blueprints, boilermakers locate and mark reference points on the boiler foundation for installing boilers and other vessels, using straightedges, squares, transits and tape measures. They attach rigging and signal crane operators to lift heavy frame and plate sections and other parts into place. They align sections, using plumb bobs, levels, wedges and turnbuckles. Boilermakers use hammers, files, grinders, and cutting torches to remove irregular edges so the edges fit properly. Because boilers last a long time, boilermakers regularly maintain them and update components such as burners and boiler tubes to increase efficiency. Boilermakers mechanics maintain and repair boilers and similar vessels. They inspect tubes, fittings, valves, controls, and auxiliary machinery and clean or supervise the cleaning of boilers. They repair or replace defective parts using hand and power tools, gas torches and welding equipment, and may operate metalworking machinery to repair or make parts. They also dismantle leaky boilers, patch weak spots with metal stock, replace defective sections, or strengthen joints.

**APPRENTICESHIP PROGRAM REQUIREMENTS:** Must be at least 18 years old; must present birth certificate; must have reliable transportation; must be able to speak, write and read the English language; must pass drug screening; must pass a physical exam; must be a legal resident of the United States; and must reside in local union jurisdiction.

**APPRENTICESHIP PROGRAM:** Apprenticeship program usually consists of four years of on-the-job training, supplemented by about 144 hours of classroom instruction each year in subjects such as set-up and assembly rigging, welding of all types, blueprint reading and layout.

**WAGE INFORMATION:** Apprentices start at 70% of scale. Journeyman wages are \$38.04 hourly plus health care and pension. Benefit package totals \$24.08

**RECOMMENDED PREPARTORY CLASSES:** Drafting, industrial technology and any classes related to construction engineering technology.

**WORKING CONDITIONS:** Boilermakers work in all types of weather conditions and at various heights. Sometimes working space is confined.

**ABILITIES:** Must be able to understand how things should fit together; must be able to see details in objects; and must be able to make decisions.

**Boilermakers Local 363**  
2358 Mascoutah Ave.  
Belleville, IL 62220  
(618) 234-8843  
[www.boilermakerslocal363.org](http://www.boilermakerslocal363.org)

Union trades people and union contractors provide..



- ...Professional, quality craftsmanship
- ...Reliable, motivated performance
- ...More efficient, competitive operations
- ...On time, on-budget construction
- ...Safe, well-managed worksites
- ...Continuing educational opportunities
- ...Training for tomorrow's workforce, today
- ...Opportunities for everyone

*Join us in supporting and working  
together for a stronger, more vital*



*Southern Illinois,  
and a stronger,  
safer Southern  
Illinois Construction Industry.*

## STEAMFITTERS

The trade Steamfitter is a tradesperson who installs, assembles, fabricates, maintains and repairs mechanical piping systems. Steamfitters deal with industrial/commercial/marine piping and heating/cooling systems. Typical industrial process pipe is under high pressure, which requires metals such as carbon steel, stainless steel and many different alloy metals fused together through precise cutting, threading, grooving, bending and welding. Other types of piping systems include steam, ventilation, hydraulics, chemicals, fuel, oil and medical gas. Steamfitters are present at many jobsites performing work on critical piping systems in the manufacturing, milling, refining, medical and food and beverage industries.

**Apprenticeship Program & Requirements:** Steamfitters Local 439 apprenticeship is a 5-year program which consists of 1,200 hours of classroom training and 7,500 on the job work experience. Upon completion of the program the apprentice will have earned 30 credits from SWIC that can be put towards an associate's degree in construction management. Requirements for applicants are at least 18 years of age, high school diploma or GED equivalent and physically capable to do strenuous work. During the selection process applicants will take an aptitude test, be interviewed by the examining board and be able to pass drug and background screening.

**Steamfitters Local 439 Wage Information:** Apprentices starting pay rate is 50% of journeyman's wages (Journeyman's wage is currently \$40.25) and all fringe benefits.

Recommended Preparatory Classes: Science, Mathematics, Blueprint Reading, Mechanical Drawing, Welding and Industrial Technology.

Working Conditions: Steamfitters work in industrial settings, so the possibilities of chemical exposure, high temperatures, inclement weather, elevated work, strains, burns and mechanical failure are factors.

Abilities: Due to the rigorous conditions, physical strength and stamina are needed. Must be comfortable working at high elevations. Also, in this profession mental toughness and awareness is necessary along with social skills and communication.

**Steamfitters Local 439**

**1220 Donald Bailey Drive**

**Caseyville, IL 62232**

**(618)-624-6096**

## BRICKLAYERS

The work of Bricklayers ranges from a simple patio to large commercial buildings. Bricklayers construct Walls, Arches, and Columns made from brick, block, glass block, and stone to create buildings and structures. Bricklayers work from blueprints and must take accurate measurements and make sure their work is plumb, level and straight. Diamond blade saws are used to cut material to correct shape and size. Bricklayers usually work in crews using hand and power tools to join masonry materials with mortar.

### APPRENTICE PROGRAM REQUIREMENTS:

Three Years- 4500 hours

- Must be at least 18 years old
- Must present birth certificate
- Must have High School Diploma or GED
- Must have valid Driver's License
- Must reside in local union jurisdiction
- Must pass drug screening
- Must have reliable transportation
- Apprentices attend school four weeks a year
- Apprentices receive on-the-job training
- Apprentices start at 40% of journeyman wages

**WAGE INFORMATION:** Base wage is \$30.79-\$33.15. Apprentices start at 40% and increase progressively after 750 hour increments.

**WORKING CONDITIONS:** Bricklayers working conditions include working on scaffold at various heights, confined spaces, and working outdoors in all weather conditions.

**ABILITIES:** Must be in good physical condition and capable of performing the essential functions of the apprenticeship program.

**Bricklayers Local 8**

**7 N. High St. #401**

**Belleville, IL 62220**

**(618) 234-5340**

[www.bac8il.com](http://www.bac8il.com)

**Contact Point:**

**Shane Garrisson- Apprentice/Training Coordinator**

**618-401-9960**

[sgarrisson@bac8il.com](mailto:sgarrisson@bac8il.com)

## CARPENTERS

Carpenters are involved in a wide variety of construction activities. Carpenters are responsible for bringing an architect's blueprints to life by cutting and assembling wood, fiberglass, metal, vinyl, plastic and other materials to create the interior and exterior of structures. Carpenters build or renovate everything from homes, schools, churches and hospitals, to malls, airports, skyscrapers and highways and their duties vary by the type of employer. A carpenter employed by a specialty trade contractor, for example, may specialize in one or two activities, such as setting concrete forms for concrete construction or erecting scaffolding. However, a carpenter employed by a general building contractor may perform many tasks such as framing walls and partitions, putting in doors and windows, hanging cabinetry and installing paneling and tile ceilings. Working from blueprints or instructions from supervisors, carpenters do the layout, measuring, marking and arranging of materials, and using lasers and GPS locating devices. Carpenters use both hand and power tools including chisels, saws, planes, drills, and sanders. They use nails, screws, staples, bolts and adhesives to join material. Carpenters also weld piling, metal framing, and industrial applications, and are required to be certified in a specific process for structural weld applications. The title of Carpenter is broadly interpreted by the United Brotherhood of Carpenters and Joiners of America to include the specific craft trades of Carpenter, Floorlayer, Lather, Millwright, Pile Driver, and Mill-Cabinetmaker.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Apply to the Southern Illinois Carpenters' Apprenticeship Program online at <https://www.cjtf.org/CJAP/SOILCarpenters.asp>. Southern Illinois Carpenters Joint Apprenticeship Program (CJAP) office is open and accepting applications Monday through Friday, 8am to 4pm, excluding holidays. Applicants must be 18 years of age or older. Applicants are responsible for securing their own employment with one of our signatory contractors, a list will be provided during the application process. After finding employment, applicant must return to the Southern Illinois CJAP with a Letter of Intent to Hire from that signatory contractor, pay a \$35 processing fee, possess a photo ID, driver's license, etc. and a social security card. Applicant will also be required to produce a negative substance abuse test.

**WAGE INFORMATION:** Apprentices wages start at \$15.00 for Residential work and \$19.79 for Commercial work plus healthcare and pension benefits. As an apprentice successfully completes their related training and on-the-job learning at the designated rates, they will advance through the apprenticeship program earning regular 5% increases in wages, approximately every six months. A Journey Level Residential Carpenter earns \$30.00 per hour + benefits and a Journey Level Commercial Carpenter earns \$39.58 per hour + benefits.

**RECOMMENDED PREPARATORY CLASSES:** You can get a head start by studying Algebra, Geometry, Sketching, Drafting, and Computer Aided Drafting (CAD) classes. Enrollment in Industrial Technology classes will provide an excellent foundation in skills and understanding of working as a Carpenter.

**WORKING CONDITIONS:** Carpenters typically work outdoors in all types of weather. It is a physical job, standing, kneeling, lifting, pushing, pulling, bending, and climbing are common. However, you are trained in how to properly and safely perform these tasks before being required to perform them on the job. Hardhats, safety glasses, durable clothing and safety shoes are typical items worn on a jobsite. Working hours are typically 8 hours per day starting around 7am each day. In many instances over-time or an extended workweek is required

**ABILITIES:** Must be able to work at high levels from ladders and scaffolds. Must be physically fit to perform the duties of the job of a Carpenter with no restrictions.

**Southern Illinois CJAP Administrative Offices**  
2290 South Illinois Street, Bldg. 3  
Belleville, IL 62220  
(618) 277-2051  
[www.carpdc.org](http://www.carpdc.org)

SCAN THE QR CODE TO  
COMPLETE OUR  
APPLICATION



## SHEET METAL WORKERS

Sheet metal workers make, install and maintain air conditioning, heating, ventilation and pollution control duct systems, roofs, siding, rain gutters, downspouts, skylights, restaurant equipment, outdoor signs, and many other building parts and products made from metal sheets. They may also work with fiberglass and plastic materials. Although some workers specialize in fabrication, (remove and plastic) installation or maintenance, most do all three jobs. Sheet metal workers usually fabricate their products at a shop away from the construction site. They first study plans and specifications to determine the kind and quantity of materials they will need. They then measure, cut, bend, shape and fasten pieces of sheet metal to make duct work, counter tops, and other custom products. In an increasing number of shops, sheet metal workers use computerized metalworking equipment. This enables them to experiment with different layouts and to select the one that results in the least waste of material. They cut or form the parts with computer-controlled saws, lasers, shears and presses.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Applicants must have a High School diploma or G.E.D., and valid driver's license. A \$20 application fee is required and High School transcripts at the time of applying. The program is four years and requires a math test and mechanical reasoning test. Scores determine ranking on list to be accepted into the program.

**WAGE INFORMATION:** Apprentices start at 45% of wage scale. Journeyman wages are \$37.04 hourly plus health care and pension benefits. Benefit package totals \$21.64.

**RECOMMENDED PREPARATORY CLASSES:** Math - including Mathematic classes, and welding classes are helpful as well as HVAC sheet metal drafting, computer aided draft and design.

**WORKING CONDITIONS:** Sheet metal workers work inside and outside in all types of weather conditions and sometimes in confined spaces.

**ABILITIES:** Must be able to work at high levels from ladders and scaffolds and must be able to lift heavy objects.

**Sheet Metal Workers Local 268**  
2701 N. 89th St.  
Caseyville, IL 62232  
(618) 397-1443  
[www.local268.com](http://www.local268.com)

## UNION ROOFERS, WATERPROOFERS AND ALLIED WORKERS

Union Roofers and Waterproofers install a wide range of systems. Each Job is different and represents new challenges. Roofing and Waterproofing is hard physical work, we work outdoors in all types of weather conditions and at all different heights. From skyscrapers to residential housing or below grade foundations and parking garages we keep it dry. In an ever-evolving career field the Roofing and Waterproofing industry is undergoing technological innovation. New Materials and equipment are constantly being added to the market allowing for a diverse range of expertise in all aspects of the Roofing and Waterproofing trade. We install a wide range of products including but not limited to Thermoplastics (TPO & PVC), EPDM (Rubber), Modified bitumen, Slate, Ceramic Tile, Cedar shake, Composition Shingles, Hot Tar, and Liquid applied Roofing and Waterproofing systems. As a Union Roofing and Waterproofing Apprentice, you will receive high quality training both in the classroom and on the Job. Apprentices start out at 50% of the Journeyman scale and work their way up the ladder through our traditional model of apprenticeship to the Journeyman status. Under this model you will be required to complete a minimum number of hours of on-the-job Learning and Required Training Information and Demonstrate Competency in the defined subject matter. As a Roofing/Waterproofing apprentice you will earn while you learn. Upon completion of the apprenticeship program you will receive 45 credit hours towards an Associate's Degree in Applied Sciences leaving you with only 18 credit hours to go to receive your degree.

**WAGE AND BENEFIT PACKAGES:** As a Local 2 Roofing and Waterproofing apprentice you will start out at \$22.70 per hour. \$16.65 per hour on your check and another \$6.05 per hour spread out over your benefit package. Once you have reached the Journeyman status you will receive an hourly wage of \$51.82 per hour. \$33.30 per hour on your check and another \$18.52 per hour spread out over your benefit package. Roofers and Waterproofers have great insurance packages, a defined pension plan and a supplemental pension plan to help you plan for your retirement from the first day that you start in the business.

**APPRENTICESHIP PROGRAM REQUIREMENTS:** Apprentices are required to be hired by a Signatory Union Contractor. Once this has happened, they will be given a letter of Intent and come to the Union Hall to sign up. Apprentices will need a copy of their High School transcripts and 3 letters of character recommendation. Roofing and Waterproofing is a physically and mentally demanding trade. Apprentices need to be able to work long hours in all types of weather conditions, heights and sometimes in confined spaces. The Roofing and Waterproofing industry is not for the faint of heart, but with great wages and benefits you have to ask yourself:

Are you willing to work hard?

Are you able to work at heights or in confined spaces?

Are you motivated to work safely?

Are you self-directed and driven to excel?

If you answered yes to any of these questions then Union Roofing and Waterproofing may be the career for you.

**Roofers and Waterproofers Local No. 2**

**2920 Locust St.**

**St. Louis, Mo. 63103**

**(314)-535-9683**

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

## CEMENT MASONS & PLASTERERS

Cement Masons use concrete on many types of construction projects. Whether small jobs, such as patios and floors, or huge dams and miles of roadway, cement masons place and finish concrete. They may also color concrete surfaces, expose aggregate (small stones) in walls and sidewalks, or fabricate concrete beams, columns and panels. In preparing a site for placing concrete, masons set the forms for holding the concrete to the desired pitch and depth and properly align them. Masons guide a straightedge back and forth across the top of the forms to "screed," or level, the freshly placed concrete.

Plasterers apply plaster to interior walls and ceilings to form fire-resistant and relatively soundproof surfaces. They also apply plaster to veneer over drywall to create smooth or textured abrasion-resistant finishes. They apply durable plasters such as polymer-based acrylic finishes and stucco to exterior surfaces, and they install prefabricated exterior insulation systems over existing walls for good insulation and interesting architectural effects. In addition, they cast ornamental designs in plaster.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** The apprentice program is three years for Cement Masons and four years for Plasterers. Applicants must be at least 18 years of age and reside within the territorial jurisdiction of Bond, Calhoun, Clinton, Greene, Jersey, Macoupin, Madison, Monroe, Montgomery, or St. Clair Counties. Applicant must provide a Birth Certificate and a High School Diploma or GED.

**WAGE INFORMATION:** Cement Mason apprentices start at 50% of wage scale. Journeyman wages are \$35.25 hourly plus health care and pension benefits. Plasterer apprentices start at 40% of wage scale. Journeyman wages are \$33.75 plus health care and pension benefits.

**RECOMMENDED PREPARATORY CLASSES:** English, mathematics, mechanical drawing, and industrial technology classes.

**WORKING CONDITIONS:** Cement Masons work inside and out. Work may be somewhat seasonal. Because most finishing is done at floor level workers must bend and kneel a lot. Plasterers work inside and out. Work may be somewhat seasonal. Workers must bend and kneel a lot.

**ABILITIES:** Must be able to lift heavy objects; must be able to work at high levels from ladders and scaffolds; and must be able to handle a large amount of bending and stretching.

**Operative Plasterers & Cement Masons Local 90**

**820 Lions Drive**

**Troy, IL 62294**

**(618) 667-2562**

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

## ELECTRICIANS

A trained Journeyman Wireman performs installation and maintenance for Residential, Commercial office buildings and their associated complexes, including retail stores and hospitals. As training advances, a Journeyman Wireman will install, maintain and troubleshoot Industrial complexes, including steel mills, petrochemical, oil refineries, pulp and paper mills, power houses, power distribution and manufacturing plants. The skill sets and work environments of these jobs sites require the Wireman to study blueprints, National Electrical Code and various disciplines of mathematics. Minimum of 8,000 hours of on-the-job training is needed to be advanced to Journeyman Wireman status.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Applications will be accepted from 8 am – 11:30 am and from 1 pm – 4:30 pm the first Tuesday of every month. Applicants who score a 5 or higher on the aptitude test will be interviewed for apprenticeship. Applicants will receive, in the mail, a notice of their interview date and time approximately two weeks to a month prior to their interview. Once an applicant is selected, he or she will go through orientation, be scheduled for a physical and drug screen, then dispatched out to work.

**WAGE INFORMATION:** Apprentices start at 50% of wage scale. Journeyman wages are \$41.83 hourly plus health care and pension benefits.

**RECOMMENDED PREPARATORY CLASSES:** Algebra, geometry, trigonometry, physics, and pre-calculus.

**WORKING CONDITIONS:** Electricians working conditions are sometimes hot, hard, and strenuous while other times he or she may be in a controlled environment performing problem solving and job site analysis and lay-out. Electricians often work on ladders, scaffolds, and elevated structures where they are placed in awkward and/or cramped positions. Since there is risk of injury and electrical shock, electricians must have knowledge of OSHA Regulations and NFPA 70e.

**ABILITIES:** Familiarity with any type of construction work or electronics would be beneficial.

**IBEW 309 JATC**  
2000B Mall Street  
Collinsville, IL 62234  
(618) 343-1954  
[www.309jatc.org](http://www.309jatc.org)

## PLUMBERS/GASFITTERS/PIPEFITTERS

Plumbers/Gasfitters/Pipefitters install, maintain and repair many different types of pipe systems. For example, some systems move water to a municipal water treatment plant and then to residential, commercial and public buildings. Others dispose of waste. Some bring in gas for stoves and furnaces. Pipes also are used in manufacturing plants to move material through the production process. Plumbers install and repair the water, waste disposal, drainage and gas systems in homes and in commercial and industrial buildings. They also install plumbing fixtures.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Applicants must submit an application to the local. Each applicant must have a high school transcript or GED with test scores. Applicants must pass a Math test, pass a drug test, and have a valid driver's license. Upon acceptance into the program, apprentices will be required to complete five years of training with each year consisting of up to 2,000 hours of on the job training, and a minimum of 246 hours of classroom instruction. In addition, you have the opportunity to pursue UA STAR certification after the fifth year of apprenticeship. Upon passing, you will have higher earning power and 30 credits toward an Associate's Degree in Construction Supervision.

**PLUMBERS & GASFITTERS LOCAL 360 WAGE INFORMATION:** Apprentices start at 35% of the wage scale. Journeyman wages are \$39.95 hourly plus health care and pension benefits.

**PLUMBERS & PIPEFITTERS LOCAL 101 WAGE INFORMATION:** Apprentices start at 35% of the wage scale. Journeyman wages are \$40.05 hourly plus health care and pension benefits.

**PLUMBERS & PIPEFITTERS LOCAL 553 WAGE INFORMATION:** Apprentices start at 45% of the wage scale. Journeyman wages are 43.06 per hour plus health care and pension benefits.

**RECOMMENDED PREPARATORY CLASSES:** Science, English, Communication Skills, Mathematics, mechanical drawing, business and industrial technology classes

**WORKING CONDITIONS:** Because plumbers/gasfitters/pipefitters must lift heavy pipes, stand for long periods and sometimes work in uncomfortable or cramped positions, they need physical strength as well as stamina. They may have to work outdoors in inclement weather. They also are subject to falls from ladders, cuts from sharp tools and burns from hot pipes or from soldering equipment.

**ABILITIES:** Must be able to lift heavy objects; must be able to work in confined spaces; must have excellent work ethics; must be able to get along well with others; and must be able to work at high levels from scaffolds and ladders.

**Plumbers and Pipefitters Local 101**  
8 Premier Dr.  
Belleville, IL 62220  
(618) 234-5504

**Plumbers and Gasfitters Local 360**  
5 Meadow Heights Professional Park  
Collinsville, IL 62234  
(618) 346-2560

**Plumbers and Pipefitters Local 553**  
2 South Wesley Drive  
East Alton, IL 62024  
(618)-259-6787

## PAINTERS

Painters apply paint, stain, varnish and other finishes to buildings and other structures. They choose the right paint or finish for the surface to be covered, taking into account customers' wishes, durability, ease of handling, and method of application. They first prepare the surfaces to be covered so the paint will adhere properly. This may require removing the old coat by stripping, sanding, wire brushing, burning or water and abrasive blasting. Painters also wash walls and trim to remove dirt and grease, fill nail holes and cracks, sandpaper rough spots and brush off dust. On new surfaces, they apply a primer or sealer to prepare them for the finish coat. Painters also mix paints and match colors, relying on knowledge of paint composition and color harmony.

Paperhangers cover walls and ceilings with decorative wall coverings made of paper, vinyl or fabric. They first prepare the surface to be covered by applying "sizing," which seals the surface and makes the covering stick better. When redecorating, they may first remove the old covering by soaking, steaming, or applying solvents. When necessary, they patch holes and take care of other imperfections before hanging the new wall covering.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Applicants must be at least 18 years of age and have a High School Diploma or equivalent, Driver's License, Birth Certificate and Social Security Card. Applicants must reside in the jurisdiction of District Council 58 and be able to pass a drug test. Applications are available on a year-round basis at the District Council Office between the hours of 8 am to 4 pm. After application is accepted by a contractor, they must return to the District Council with a 'Letter of Intent to Hire' stating the starting date of employment.

**WAGE INFORMATION:** Apprentices start at 50% of the wage scale and progress with class time and work hours every 6 months. Journeyman wages are \$29.86 hourly plus health care, 401k and pension benefits.

**RECOMMENDED PREPARATORY CLASSES:** Mathematics, Art, Drafting, and Communication Skill.

**WORKING CONDITIONS:** Painters work both inside and out. Their jobs also require a considerable amount of climbing and bending. They must have stamina because much of the work is done with their arms raised overhead. Painters often work outdoors, but seldom work in the rain but they may work in the cold, hot or in wet conditions. Painters and paperhangers risk injury from slips or falls off ladders and scaffolds. They work with materials that can be hazardous to your health if the proper protective equipment is not worn.

**ABILITIES:** Must be able to work at high levels with ladders and scaffolds; and must be able to lift at least 100 pounds.

**Painter's District Council 58**  
940 California Ave.  
Collinsville, IL 62234  
(618)345-6646  
[www.dc58iupat.net](http://www.dc58iupat.net)

## IRON WORKERS

Iron Workers perform the following steel work: structural, ornamental, reinforcing, and machinery moving and rigging. Iron, steel, aluminum, fiberglass, precast concrete, brass, and bronze are important materials in buildings, bridges, and other structures. Structural and reinforcing iron workers fabricate, assemble and install these products. They also repair, renovate and maintain older buildings and structures such as steel mills, utility plants, automobile factories, highways and bridges. Iron workers must erect the 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. This equipment arrives at the construction site in sections. Iron workers then connect the sections and set the cables to do the hoisting. Structural iron workers begin to connect steel columns, beams and girders according to blueprints and instructions from supervisors and superintendents. Structural steel, reinforcing rods and ornamental iron come to the construction site ready for erection. Reinforcing iron workers set the bars in the forms that hold concrete, following blueprints showing the location, size and number of reinforcing bars. They fasten the bars together by tying wire around them with pliers. When reinforcing floors, workers place blocks under the reinforcing bars to hold them off the deck.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Interested applicants must live within the jurisdiction of Local 392, be 18 years of age, and able to pass a physical and drug test. Applications are taken year around and are usually announced through local newspapers, notices to local High Schools, and various employment agencies. Apprentice program is four years and consists of 800 hours of classroom instruction and 5600 hours of on-the-job training.

**WAGE INFORMATION:** Apprentices start at \$22.43 hourly. Journeyman wages are \$34.50 hourly plus health care and pension benefits.

**RECOMMENDED PREPARATORY CLASSES:** Mathematics, science, drafting and industrial technology classes.

**WORKING CONDITIONS:** Structural and reinforcing iron workers usually work outside in all kinds of weather. However, those who work at great heights do not work when it is wet, icy or extremely windy. Because the danger of injuries due to falls is so great, iron workers use safety devices such as safety belts, scaffolding and nets to reduce the risk.

**ABILITIES:** Must be able to think under pressure; must be able to work at great heights; and must be in good physical condition

**Iron Workers 392**  
2995 Kingshighway  
East St. Louis, IL 62201  
(618) 874-0313  
[www.ironworkers.or](http://www.ironworkers.or)

## LABORERS

Laborers provide much of the physically demanding labor at building, highway and heavy construction projects, tunnel and shaft excavations and demolition sites. In addition to assisting other trades workers, laborers clean and prepare sites, dig trenches, set braces to support the sides of excavations and clean up rubble and debris. They perform a variety of excavation, tunneling and pipe work, and work on their own on highly specialized tasks. The installation of utility pipe, for example, requires the set up and operation of laser guidance equipment for precise pipe elevation and placement. Tunnel and shaft projects require workers to be trained and experienced in the use of drilling equipment and explosives. Laborers operate jackhammers, earth tampers, cement mixers, buggies, skid steer loaders, "walk behind" ditch diggers, small mechanical hoists, laser beam equipment, and surveying and measuring equipment. In addition to working on building and transportation projects, laborers work on other projects, such as hazardous waste cleanup and asbestos and lead abatement. In hazardous waste removal, they may: operate, maintain, and read monitoring devices; perform material and atmospheric sampling; build, clean, or maintain facilities for hazardous material removal and decontamination; and package and transport hazardous or radioactive materials.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Applicants must be 18 years of age, have a High School Diploma or equivalent, possess a valid driver's license, and pass a drug test. Application fee is \$20.00 non-refundable. Applications are taken at each Laborer Local Hall on the first Tuesday of each month, during designated hours. Applicants will be notified by mail of the location, date, and time that they should report for aptitude testing. Individuals who successfully complete the aptitude testing are granted an oral interview 1-2 weeks after testing. Upon completion of this process, applicants are assessed on an overall score, and then placed on an eligible listing of applicants or the local union applied, in ranking order, highest to lowest. As a need for apprentices arises, individuals are taken off the list and contacted for employment.

**WAGE INFORMATION:** Apprentices start at 75% of the wage scale. Journeyman wages range from \$25.55 to \$31.52 hourly (depending on local) plus health care and pension benefits.

**RECOMMENDED PREPARATORY CLASSES:** Any type of construction safety training would be beneficial - Building Trades courses, algebra, and geometry.

**WORKING CONDITIONS:** Laborers work in all types of weather conditions and at various heights.

**ABILITIES:** Must be able to work at high levels from ladders and scaffolds. Must be physically fit to perform all types of construction jobs.

**Illinois Laborers & Contractors Joint Apprenticeship & Training Program**  
7277 Marine Road  
Edwardsville, IL 62025  
(618) 692-7346  
[www.swildc.org](http://www.swildc.org)  
[www.illaborers.org](http://www.illaborers.org)

## OPERATING ENGINEERS

Operating Engineers use machinery to move construction materials, earth, petroleum products, coal, grain, manufactured goods and other heavy materials. Generally, they move materials over short distances—around a construction site, factory, warehouse, on or off trucks and ships. Operators control equipment by moving levers or foot pedals, operating switches or turning dials. They may also set up and inspect equipment, make adjustments, and perform minor repairs. Operators are classified by the type of equipment they operate: crane and tower operators; excavation and loading machine operators; grader, dozer, and scraper operators; hoist and winch operators; industrial truck and tractor operators.

**APPRENTICESHIP PROGRAM & REQUIREMENTS:** Applications are taken on an as needed basis for Local 520. Notification for the application dates will be advertised on the website and local newspapers in our jurisdiction at least thirty days prior to the first application date. Interested candidates must be at least 18 years of age and have a valid Illinois driver's license, a high school diploma or GED certificate, and reside in one of the sixteen counties of the local's jurisdiction, in order to apply for the program. Candidates are required to take a written evaluation test. Those who pass the test will be given a 15-20 minute interview and submit the following required documents: birth certificate; valid driver's license; school transcripts; GED transcripts (if applicable); two character references; and paystubs. Candidates who qualify are selected in ranking order from highest to lowest composite score to participate in a three-day evaluation. This evaluation is done on an as needed basis. The final step in the selection process is an interview with the J.A.T.C. Board. Any steps missed in the process will result in a dropped application. Candidates must pass a drug screening. Completed applications will be on file for 2 years, applications have to be completed to become active. Apprentices are accepted into the program from highest to lowest application score on an as needed basis based on work outlook and economy.

**WAGE INFORMATION:** Local 520 apprentices start at 50% of the wage scale. Journeyman wages are \$37.30 hourly plus health care and pension benefits.

**RECOMMENDED PREPARATORY CLASSES:** Mechanics, welding/fabrication, electronics, and related vocational training.

**WORKING CONDITIONS:** Many operating engineers work outdoors in nearly every type of climate and weather condition. Some machines are particularly noisy and shake or jolt the operator.

**ABILITIES:** Must be able to lift heavy objects and must be able to withstand extreme weather conditions. Must have good math and reading comprehension as well as understand percentages and slopes.

**Operating Engineers Local 520**  
**Apprenticeship & Training Office**  
1969 Triad Road  
St. Jacob, IL 62281