



## COURSE CATALOG

# CONSTRUCTION



### BRICKLAYER MASONRY



Job Corps' Bricklayer Masonry program is a Trainee, Pre-Apprentice program offered through Home Builders Institute (HBI).

**Skills:** Learn how to lay and bind building materials, such as brick and concrete, with mortar or other substances to repair walls, partitions, arches, sewers, and other structures; measure distances from reference points and marking guidelines; and properly construct corners and arches.

**Career Pathway:** Most Brick Masonry Job Corps graduates go to work as brick masons or block masons for private companies or for a public works organization. On the job, you will be expected to display physical strength, attention to detail, and focus, and have steady hands and fingers.

**Average Starting Salary:** \$35,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

### BRICKLAYER



Job Corps offers a basic Bricklayer program and a Bricklayer, Pre-Apprentice program through International Masonry Institute (IMI).

All training programs are hands-on and are similar in curriculum and requirements.

**Skills:** Learn how to understand theoretical principles and perform basic skills in the laying and binding materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances to construct or repair walls, partitions, arches, sewers, and other structures.

**Career Pathway:** Most Bricklayer Job Corps graduates find careers as brick masons, cement masons, terrazzo workers, plasterers, and stucco masons. Students should also consider pursuing advanced training programs at Job Corps as part of their career pathway.

**Average Starting Salary:** \$35,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion

of the Job Corps core curriculum and passing scores on all written and performance tests.

### BUILDING CONSTRUCTION TECHNOLOGY



Job Corps' Building Construction Technology program is a Pre-Apprentice training program offered by Home Builders Institute (HBI).

**Skills:** Learn how to use carpentry and masonry skills to maintain existing facilities, use tools and equipment to repair facility structures and systems, maintain systems that keep a building safe and secure, finish and seal building surfaces, develop skills in landscaping to maintain a facility's grounds, and build cabinets.

**Career Pathway:** Most Building Construction Technology Job Corps graduates go to work for commercial buildings, schools, or residential complexes. On the job, you will be expected to display integrity, dependability, attention to detail, independence, problem-solving, and cooperation.

**Average Starting Salary:** \$36,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

### CARPENTRY



Job Corps offers a basic Carpentry program, a Carpentry Trainee, Apprentice program through Home Builders Institute (HBI), and a Carpentry, Pre-Apprentice program through United Brotherhood of Carpenters and Joiners of America (UBCJA). All training programs are hands-on and are similar in curriculum and requirements.

**Skills:** Learn how to construct, install, and repair structures and fixtures of wood, plywood, and wallboard; properly use hand and power tools to shape or cut materials to specified measurements; build rough wooden structures such as concrete forms, scaffolds, and temporary frame shelters; follow established safety rules and regulations; maintain a safe and clean environment; and measure materials or distances to lay out work.

**Career Pathway:** Most Carpentry Job Corps graduates go on to work as carpenters in the public

or private sector. On the job, you will be expected to display physical strength, attention to detail, integrity, dependability, and problem-solving.

**Average Starting Salary:** \$35,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## CEMENT MASONRY



Job Corps offers a basic Cement Masonry program and a Cement Masonry, Pre-Apprentice program through National Plastering Industry's Joint Apprenticeship Trust Fund (NPIJATF). All training programs are hands-on and are similar in curriculum and requirements.

**Skills:** Learn how to set and align forms of concrete for sidewalks, curbs, or gutters; check the forms that hold the concrete to see that they are properly constructed; smooth and finish surfaces of poured concrete using a variety of hand and power tools; and patch voids and use saws to cut expansions.

**Career Pathway:** Most Cement Masonry Job Corps graduates go to work for construction firms or contractors. On the job, you will be expected to display attention to detail, integrity, dependability, and problem-solving.

**Average Starting Salary:** \$35,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## CONSTRUCTION CRAFT LABORER



Job Corps' Construction Craft Laborer program is a Pre-Apprentice training program.

**Skills:** Learn how to use basic construction materials such as concrete, lumber, sand, and bricks; install slopes and adjust for changes in elevation on construction sites; identify and care for different types of lumber, and learn the use of each type; use scaffolding, hand levels, transits, plumb-bobs, builder's levels, and other tools on construction sites; and move sand, gravel, concrete blocks, and other construction materials.

**Career Pathway:** Most Construction Craft Laborer Job Corps graduates work for construction contractors. On the job, you will be expected to display integrity, dependability, attention to detail, and safety and monitoring skills.

**Average Starting Salary:** \$30,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## ELECTRICAL



Job Corps offers a basic Electrical program and an Electrical Trainee, Pre-Apprentice program through Home Builders Institute (HBI). All training programs are hands-on and are similar in curriculum and requirements.

**Skills:** Learn how to install, maintain, and repair electrical wiring, equipment, and fixtures; ensure that work follows industry codes; service street lights, intercom systems, or electrical control systems; connect wires to circuit breakers, transformers, or other components; and follow safety practices.

**Career Pathway:** Most Electrical Job Corps graduates go to work for licensed electricians or are self-employed. On the job, you will be expected to display cooperation, problem-solving skills, attention to detail, integrity, and dependability.

**Average Starting Salary:** \$34,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## FACILITIES MAINTENANCE

**Skills:** Learn how to use carpentry and masonry skills to maintain existing facilities, learn to properly use tools and equipment to repair facility structures and systems, maintain systems that keep a building safe and secure, finish and seal building surfaces, develop skills in landscaping, and build cabinets.

**Career Pathway:** Most Facilities Maintenance Job Corps graduates go to work for commercial buildings, schools, or residential complexes. On the job, you will be expected to display dependability, attention to detail, cooperation, independence, problem-solving skills, and integrity.

**Average Starting Salary:** \$35,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## FLOOR COVERING



Job Corps' Floor Covering program is a Pre-Apprentice training program offered by International Union of Painters and Allied Trades (IUPAT).

**Skills:** Learn how to lay out and install different types of flooring according to blueprints, shop drawings, and manufacturer's specifications; read blueprints to estimate the amount of material needed to complete a job; clean, scrape, and sand base surfaces to prepare them for new covering; cut flooring material to specifications; create and finish flooring patterns with laminate, wood, and other materials; learn how to use equipment such as levels, power tools, and respirators; and inspect final surfaces to ensure they are firm and dry.

**Career Pathway:** Most Floor Covering Job Corps graduates work for construction contractors. On the job, you will be expected to display observation skills, integrity, reliability, and safety and monitoring skills.

**Average Starting Salary:** \$35,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## GLAZING



Job Corps' Glazing program is a Pre-Apprentice training program offered by International Union of Painters and Allied Trades (IUPAT).

**Skills:** Learn how to identify and use different glazing materials and coatings; install glass in store fronts, doors, windows, ceilings, and more; set up and use welding equipment to combine and cut pieces of glass; read and interpret blueprints or specifications to determine which types of glass to use and how to install them; understand the criteria of LEED, the national green building standard, and how they relate to blueprints, windows, and types of glass; and create and install metal or glass moldings.

**Career Pathway:** Most Glazing Job Corps graduates work for construction contractors or glazier unions. On the job, you will be expected to display cooperation, responsibility, attention to detail, and safety and monitoring skills.

**Average Starting Salary:** \$37,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)



Job Corps offers a basic HVAC program and an HVAC Trainee, Pre-Apprentice program through Home Builders Institute

(HBI). All training programs are hands-on and are similar in curriculum and requirements.

**Skills:** Learn how to install and repair heating, ventilation, and air conditioning systems; test components to determine necessary repairs; learn how to use specific HVAC tools and equipment; develop customer service skills; and connect gas heating, electric heating, cooling systems, and heat pumps.

**Career Pathway:** Most Heating, Ventilation, and Air Conditioning Job Corps graduates go to work for construction contractors, while others are self-employed. On the job, you will be expected to display dependability, attention to detail, integrity, cooperation, problem-solving skills, and persistence.

**Average Starting Salary:** \$43,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## PAINTING



Job Corps offers a basic Painting program, a Painting Trainee, Pre-Apprentice through Home Builders Institute (HBI), and a Painting Pre-Apprentice program through International Union of Painters and Allied Trades (IUPAT). All training programs are hands-on and are similar in curriculum and requirements.

**Skills:** Learn how to finish and protect drywall; remove old paint to prepare surfaces prior to painting; mix colors or oils to obtain desired color or consistency; learn proper techniques to use brushes, rollers, and spray guns; properly cover and protect surfaces prior to painting; create and maintain safe painting environments, including the proper use of ladders, scaffolds, lifts, and fall protection; set up, operate, and tend machines to coat or paint a wide variety of products; and paint walls, equipment, buildings, and other structural surfaces.

**Career Pathway:** Most Painting Job Corps graduates go to work as painters in the public and private sectors. On the job, you will be expected to display integrity, dependability, attention to detail, physical endurance, and steady use of hands and fingers.

**Average Starting Salary:** \$35,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## PLASTERING



Job Corps' Plastering program is a Pre-Apprentice training program offered by National Plastering Industry's Joint Apprenticeship Trust Fund (NPIJATF).

**Skills:** Learn how to use brushes, trowels, and other industry tools, equipment, and machines; measure and mix plaster to achieve the right consistency for each job; mix and apply base and finishing coats; protect nearby surfaces from splatters; and install lathing, drywall, and plaster bases.

**Career Pathway:** Most Plastering Job Corps graduates go to work for construction companies or plastering unions. On the job, you will be expected to display integrity, dependability, attention to detail, and teamwork.

**Average Starting Salary:** \$30,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## PLUMBING



Job Corps offers both a basic Plumbing program and a Plumbing Trainee, Pre-Apprentice program through Home Builders Institute (HBI). All training programs are hands-on and are similar in curriculum and requirements.

**Skills:** Learn how to assemble, install, and repair pipes, fittings, or fixtures according to plumbing codes; measure, cut, thread, and bend pipes using hand or power tools; locate and mark the positions of pipes using measuring instruments; follow state and local building codes; locate malfunctions in plumbing systems; and repair plumbing systems.

**Career Pathway:** Most Plumbing Job Corps graduates go to work in factories or for private businesses. On the job, you will be expected to display integrity, dependability, attention to detail, and cooperation.

**Average Starting Salary:** \$28,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

## TILE SETTING



Job Corps' Tile Setting program is a Pre-Apprentice training program offered by International Masonry Institute (IMI).

**Skills:** Learn how to use a variety of tools to cut and shape tile; install tile on different surfaces, floors, walls, and ceilings; soundproof and waterproof different surfaces in homes or other buildings; grout and polish tile; and align and straighten tile using levels, squares, and straightedges.

**Career Pathway:** Most Tile Setting Job Corps graduates work for construction contractors or tile-setting unions. On the job, you will be expected to display teamwork, organization, attention to detail, and safety and monitoring skills.

**Average Starting Salary:** \$37,000/year\*

**Requirements:** Basic math and reading skills, a high school diploma or equivalent, and completion of the Job Corps core curriculum and passing scores on all written and performance tests.

Career training programs vary among the different Job Corps Centers.



– Indicates a Pre-Apprentice Training Program

\*Salary averages vary for each training area. Visit [mynextmove.org](http://mynextmove.org) for additional salary information.

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