

# Masonry Workers

SOC: 47-2021 • Career Profile Report

## ■ Key Facts

\$56,600

Median Salary

294,300

Employment

+2.0%

Growth Rate

## ■ Requirements & Salary Range

Education: See Requirements (BLS)

## ■ Automation Risk Assessment

**Medium Risk** - 35.0% probability of being automated in the next 10-20 years.

This job has some routine elements but still requires human judgment and interaction.

## ■■ Work-Life Balance

**5.1/10** - Fair work-life balance

## ■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	9.4/10	Investigative	5.8/10
Artistic	4.0/10	Social	5.0/10
Enterprising	5.0/10	Conventional	6.0/10

## ■ Top Skills Required

Ability to work at heights, Color vision, Dexterity, Hand–eye coordination, Physical stamina, Physical strength

### ✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

### ■ Challenges

- Burnout Risk
- Rapid Technological Change

## ■ What They Do

Masonry Workers typically perform the following tasks:

- Measure distance from reference points and mark guidelines to lay out work, using plumb bobs and levels.
- Construct corners by fastening in plumb position a corner pole or building a corner pyramid of bricks, and filling in between the corners using a line from corner to corner to guide each course, or layer, of brick.
- Apply and smooth mortar or other mixture over work surface.
- Calculate angles and courses and determine vertical and horizontal alignment of courses.
- Break or cut bricks, tiles, or blocks to size, using trowel edge, hammer, or power saw.
- Interpret blueprints and drawings to determine specifications and to calculate the materials required.
- Remove excess mortar with trowels and hand tools, and finish mortar joints with jointing tools, for a sealed, uniform appearance.
- Fasten or fuse brick or other building material to structure with wire clamps, anchor holes, torch, or cement.
- Clean working surface to remove scale, dust, soot, or chips of brick and mortar, using broom, wire brush, or scraper.
- Examine brickwork or structure to determine need for repair.
- Mix specified amounts of sand, clay, dirt, or mortar powder with water to form refractory mixtures.
- Remove burned or damaged brick or mortar, using sledgehammer, crowbar, chipping gun, or chisel.
- Lay and align bricks, blocks, or tiles to build or repair structures or high temperature equipment, such as cupola, kilns, ovens, or furnaces.
- Spray or spread refractory material over brickwork to protect against deterioration.
- Use drone technology to inspect and assess the condition of tall structures.

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Source: <https://www.bls.gov/ooh/construction-and-extraction/brickmasons-blockmasons-and-stonemasons.htm>