

# Brick Mason Job Description

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## Duties and Responsibilities:

- Lay out foundations and patterns using measuring tools such as straightedges and rules
- Verify the vertical and horizontal elevation of a structure using levels and plumb bob
- Mix specific amount of sand, cement, lime, and water to form mortar or refractory mixture
- Spread mortar on slabs and surfaces to fuse bricks, tiles or blocks together
- Use hammer, powersaw or edge of trowels to break or cut blocks to desired sizes
- Conduct repairs on walls, partitions, and fireplaces to remove defective blocks and replace with solid ones
- Use trowels and other hand tools to remove or apply mortar over work surface
- Carry out estimates to determine the cost and quantity of materials required for a masonry project
- Utilize jointing tools in sealing mortar joints to achieve an even surface
- Use scrapers, wire brushes or broom to clean and polish the surface of finished brickwork
- Install high-temperature tiles in boilers, cupolas, and furnaces
- Seal expanding or contracting joints with caulking materials
- Remove damaged bricks with the aid of chipping gun, sledgehammer, or crowbar
- Build corner pyramids or fasten corner poles in plumb position to construct corners
- Spray refractory material on finished brick structures to protect against heat degradation
- Conduct inspection of brick structures to determine the need for repair.

## Brick Mason Requirements – Skills, Knowledge, and Abilities

- Education and Training: To become a brick mason, you require minimum of a high school diploma and about 3-4 years of apprenticeship in masonry. You can also opt for training in technical schools that offer 1-year program in basic masonry. To gain experience, journey masons work under established brick masons following completion of an apprenticeship program
- Physical Strength: Brick masons are able to lift, move, and work with heavy tools and materials such as cement bags and blocks
- Math Skill: They are well versed in taking measurements and laying out projects according to set plans
- Physical Dexterity: They are skilled in using hand/power tools to lay, align, and set bricks to form a structure
- Pre-employment tests: To get hired or admitted to an apprenticeship program for this job, you may be expected to take and pass an assessment test. Discover **job assessment test** you may have to pass to get into this career, and how to top competitors in the test.