



# Brickmasons

## OVERVIEW

Lay and bind building 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. Belongs to the Architecture and Construction career cluster and Construction career pathways.

## DOES THIS DESCRIBE YOU?

**Work Interests** involve descriptive categories (compatible with Holland's Model) attributed to success in this career:

- **Conventional**—Enjoy following set procedures and routines developed through higher authority; includes working with data and details more than with ideas.
- **Investigative**—Involves working with ideas requiring an extensive amount of research, fact finding, problem solving, and thought analysis.
- **Realistic**—Involves work activities that include practical, hands-on problems and solutions; often dealing with plants, animals, and real-world materials like wood, tools, and machinery.

**Work Styles** depict worker characteristics conducive for this career:

- **Attention to Detail**
- **Dependability**
- **Cooperation**
- **Integrity**
- **Adaptability/Flexibility**

**Work Values** are associated with aspects of work that provide satisfaction in this career:

- **Support** – Management's backing.
- **Working Conditions**—Job security; good working conditions.
- **Independence**—Autonomy; working on your own.

**Aptitudes** reflect an ability to acquire skills and knowledge for success in this career:

- **Manual Dexterity**
- **Static Strength**
- **Trunk Strength**
- **Arm-Hand Steadiness**
- **Dynamic Strength**

## SKILLS & KNOWLEDGE NEEDED

### Basic Skills:

- Quality Control Analysis
- Critical Thinking
- Monitoring
- Coordination
- Time Management

### Technology Skills:

- Accounting Software
- Analytical or Scientific Software
- Computer Aided Design Software
- Operating System Software
- Project Management Software

### Knowledge:

- Building and Construction
- Mathematics
- Mechanical
- Customer and Personal Service
- Administration and Management

## ESTIMATED & PROJECTED EMPLOYMENT

Occupational Title	2014 Estimated Employment	2024 Projected Employment	2014-24 Employment Change	Annual Growth Rate (%)	Total Annual Openings
Total, All Occupations	1,795,100	1,949,240	154,140	0.9	58,145
Construction & Extraction Occupations	80,275	91,315	11,040	1.4	2,335
Brickmasons & Blockmasons	1,730	2,015	285	1.6	40

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>

## 2017 WAGE & SALARY (\$)

Occupational Title	Mean Wage	Mean Salary	Entry Wage	Entry Salary	Exp Wage	Exp Salary
Total All Occupations	20.93	43,539	10.09	20,991	26.35	54,813
Construction & Extraction Occupations	21.27	44,237	13.89	28,882	24.96	51,914
Brickmasons & Blockmasons	21.86	45,472	15.35	31,935	25.12	52,240

Source: <https://www.iowaworkforcedevelopment.gov/occupational-employment-and-wages>

## EDUCATION & TRAINING

Education	Work Experience	Job Training
High School Diploma	None	Apprenticeship

A diploma is required for most brickmason positions with training received from vocational schools, industry-based programs, and/or apprenticeships. Sources: <https://www.iowaworkforcedevelopment.gov/occupational-projections>, [https://www.bls.gov/emp/ep\\_education\\_training\\_system.htm](https://www.bls.gov/emp/ep_education_training_system.htm), and <https://www.dol.gov/apprenticeship/>

## NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level	Minimum Skill Level	Maximum Skill Level
Applied Mathematics	4	3	5
Locating Information	4	3	4
Reading for Information	3	3	4
Applied Technology	3	3	5
Business Writing	n.a.	n.a.	n.a.
Workplace Observation	3	2	4
Listening for Understanding	3	3	3

An ACT assessment-based credential issued in determining essential work skills needed for employment success across industries and occupations. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6 & higher). Source: <http://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>



## PRIMARY INDUSTRY SECTORS

### (Where are Brickmasons Employed?)

Specialty Trade Contractors  
Self Employed

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>

## ADDITIONAL SOURCES:

This workforce product was funded by a grant by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner. This publication was produced by the Labor Market and Workforce Information Division of Iowa Workforce Development. Updates, revisions, and/or corrections made periodically. Inquiries may be directed to Brent Paulson at 515.281.3439 or Brent.Paulson@iwd.iowa.gov. Visit [www.iowalmi.gov](http://www.iowalmi.gov) to obtain the latest workforce data and trends including this document. Published 9/2017.