



Brickmasons

WHAT THEY DO

Covers roofs of structures with shingles, slate, asphalt, aluminum, wood, and related materials. May spray roofs, sidings and walls with material to bind, seal, insulate or soundproof sections of structures. Belongs to the Architecture and Construction cluster; Construction and Maintenance/Operations pathways.

IS THIS FOR YOU?

Work Interests are described in the following categories (compatible with Holland's Model) by people who tend to succeed in this career:

- **Conventional**—You are an “organizer”. Keeping things neat and organized is important to you. You like working with charts and reports, and work well with power and authority.
- **Investigative**—You are a “thinker”. When you have a problem, you like to analyze it and look at different ways to solve it. You like to work by yourself, and you don't like explaining your ideas to other people.
- **Realistic** – You are a “doer”. You like physical activities and projects. You like to find the answers to problems by doing hands-on work instead of talking about solutions.

Work Values are aspects of work that are satisfying to you. The following work values are generally associated with this career.

- **Achievement** – It's very important to you that your work allows you to use your best abilities. You want to see the results of your work and get a feeling of accomplishment.
- **Relationships**—It's very important to you that you have friendly co-workers. You would like to be of service to others without compromising your sense of right and wrong.

Aptitudes reflect a person's ability to acquire skills and knowledge. The following aptitudes are important for success in the career:

- **General Learning Ability**
- **Spatial Perception**
- **Form Perception**
- **Manual Dexterity**

Source: <https://secure.ihaveaplaniowa.gov/>

SKILLS YOU NEED

Basic Skills:

- Reading Comprehension
- Active Listening
- Speaking
- Mathematics
- Critical Thinking
- Active Learning
- Learning Strategies
- Monitoring

Transferable Skills (applicable in other careers):

High level

- Constructing with brick, stone, and mortar
- Making large fixed structures and objects
- Using construction hand and power tools
- Working as a member of a construction team

Medium level

- Following construction blueprints and plans
- Following written construction work orders

Workplace Skills:

Medium level

- Coordination
- Equipment Maintenance
- Equipment Selection
- Instructing

Additional skills for this occupation may be found at <http://www.iowaworkforcedevelopment.gov/career-exploration-resources>

ESTIMATED & PROJECTED EMPLOYMENT

Occupational Title	2012 Estimated Employment	2022 Projected Employment	2012-22 Employment Change	Annual Growth Rate (%)	Total Annual Openings
Total, All Occupations	1,758,205	1,955,480	197,275	1.1	61,665
Construction & Extraction Occupations	75,710	93,145	17,435	2.3	2,980
Brickmasons & Blockmasons	1,695	2,245	550	3.2	75

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

2015 WAGE & SALARY (\$)

Occupational Title	Average Wage	Average Salary	Entry Wage	Entry Salary	Experienced Wage	Experienced Salary
Total, All Occupations	19.77	41,122	9.55	19,858	24.88	51,755
Construction & Extraction Occupations	20.49	42,624	13.28	27,621	24.10	50,125
Brickmasons & Blockmasons	21.09	43,861	15.52	32,286	23.87	49,648

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

EDUCATION & TRAINING

Education	Work Experience	Job Training
High School Diploma	None	Apprenticeship

Some brickmasons pick up their skills informally, observing and learning from experienced workers. Many others receive training in vocational education schools or from industry-based programs that are common throughout the country. Others complete an apprenticeship, which generally provides the most thorough training. Individuals who learn the trade on the job usually start as helpers, laborers, or mason tenders, and the learning period may then last longer than if trained in an apprenticeship program. Apprenticeship programs usually require three to four years of on-the-job training, in addition to a minimum of 144 hours of classroom instruction each year. Applicants for apprenticeships must be at least 17 years old and in good physical condition. A high school education is preferable, with courses in mathematics, mechanical drawing, and general shop. Approved apprenticeship programs and sponsors in Iowa can be found at

http://access.bridges.com/ext/cp/custom_state_data/iowa_apprenticeship/4720210.htm

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0> and <https://secure.ihaveaplaniowa.gov/>

NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level
Applied Mathematics	4
Locating Information	4
Reading for Information	3

This ACT-developed credential demonstrates achievement and a certain level of workplace employability skills. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6).

Source: <http://www.act.org/workkeys/analysis/occup.html>

PRIMARY INDUSTRY SECTORS

(Where are Brickmasons Employed?)

Specialty Trade Contractors
Self Employed

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

ADDITIONAL SOURCES:

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