

# Roofers



## SKILLS YOU NEED

### Basic Skills:

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

### Transferable Skills (applicable in other careers):

#### Medium level

- Constructing with brick, stone, and mortar
- Following construction blueprints and plans
- Following written construction work orders
- Making large fixed structures and objects
- Repairing large fixed structures and objects
- Using construction hand and power tools
- Working as a member of a construction team

### Workplace Skills:

#### Medium level

- Coordination
- Operation and Control
- Operation Monitoring
- Time Management

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

## 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 and Construction pathway.

## 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:

- **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.

- **Support** – It's very important to you to know the company stands behind its workers and has competent, considerate and fair management.

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

- **General Learning Ability**
- **Eye-hand Coordination**
- **Manual Dexterity**

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

## 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
Roofers	1,875	2,145	270	1.4	65

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
Roofers	15.88	33,041	11.00	22,881	18.33	38,120

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

## EDUCATION & TRAINING

Education	Work Experience	Job Training
< High School Diploma	None	Moderate-Term On-The-Job

Most on-the-job training programs consist of informal instruction in which experienced workers teach new workers how to use roofing tools, equipment, machines, and materials. Trainees begin with tasks such as carrying equipment and material and erecting scaffolds and hoists. Within 2 or 3 months, they are taught to measure, cut, and fit roofing materials and, later, to lay asphalt or fiberglass shingles. Because some roofing materials, such as solar tiles, are used infrequently, it can take several years to get experience working on all types of roofing. As training progresses, assignments become more complex, and trainees can usually do finishing work within a short time. Some roofers learn through a 3-year apprenticeship. For each year of the program, apprentices must have at least 144 hours of related technical training and 2,000 hours of paid on-the-job training. Apprentices learn construction basics, such as blueprint reading, mathematics, building code requirements, and safety and first-aid practices. After completing an apprenticeship program, roofers are considered journey workers who can do tasks on their own. Several groups sponsor apprenticeship programs, including unions and contractor associations. The basic qualifications to enter an apprenticeship program are as follows: Minimum age of 18 High school diploma or equivalent; Physically able to do the work. Approved apprenticeship programs/sponsors in Iowa can be found at [http://access.bridges.com/ext/cp/custom\\_state\\_data/iowa\\_apprenticeship/4721810.htm](http://access.bridges.com/ext/cp/custom_state_data/iowa_apprenticeship/4721810.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	3
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 Roofers Employed?)

Specialty Trade Contractors

Self Employed

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

## ADDITIONAL SOURCES:

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