

Occupational Profile

Carpenters

OVERVIEW

Construct, erect, install or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall and batt or roll insulation. Includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground Passageways. Belongs to the Architecture and Construction career cluster and Construction career pathway.



DOES THIS DESCRIBE YOU?

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

- **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.
- **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.

Work Styles depict worker characteristics conducive for this career:

- **Attention to Detail**
- **Dependability**
- **Integrity**
- **Cooperation**
- **Self Control**

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

- **Achievement** – Sense of accomplishment; results oriented.
- **Independence** – Autonomy; working on your own.
- **Support** – Management backing.

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

- **Problem Sensitivity**
- **Trunk Strength**
- **Visualization**
- **Information Ordering**
- **Manual Dexterity**

SKILLS & KNOWLEDGE NEEDED

Basic Skills:

- Active Listening
- Monitoring
- Speaking
- Active Learning
- Complex Problem Solving

Technology Skills:

- Accounting Software
- Office Suite Software
- Project Management Software
- Spreadsheet Software
- Word Processing Software

Knowledge:

- Building and Construction
- Mathematics
- English Language
- Mechanical
- Design

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

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
Carpenters	10,070	11,205	1,130	1.1	230

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
Carpenters	20.26	42,146	14.06	29,248	23.36	48,594

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 carpenter 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, 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	5
Reading for Information	4	3	5
Applied Technology	4	3	5
Business Writing	n.a.	n.a.	n.a.
Workplace Observation	3	3	3
Listening for Understanding	2	1	4

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 Carpenters Employed?)

Heavy & Civil Engineering Construction
Self Employed
Specialty Trade Contractors
Building Material & Garden Equipment & Supplies Dealers

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



ADDITIONAL SOURCES:

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