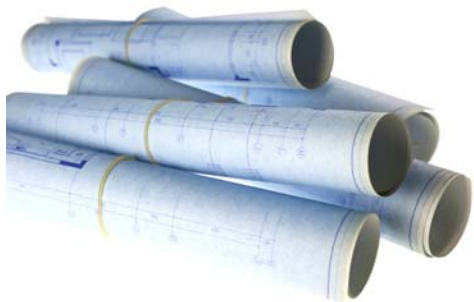


# Occupational Profile



## Architects



### DOES THIS DESCRIBE YOU?

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

- **Artistic** – Involves working with forms, designs, and patterns requiring self-expression without clear set of rules.
- **Investigative** – Involves working with ideas requiring an extensive amount of research, fact finding, problem solving, and thought analysis.
- **Enterprising** – Involves starting up and carrying out projects; often leading people and making business decisions that sometimes require 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** reflect an ability to acquire skills and knowledge for success in this career:

- **Attention to Detail**
- **Dependability**
- **Analytical Thinking**
- **Initiative**
- **Integrity**

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

- **Achievement** – Sense of accomplishment; results oriented.
- **Recognition**—Advancement potential.
- **Independence** – Autonomy; working on your own.

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

- **Visualization**
- **Fluency of Ideas**
- **Deductive Reasoning**
- **Inductive Reasoning**
- **Information Ordering**

### OVERVIEW

Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property. Belongs to the Architecture and Construction career cluster and Design/Pre-Construction career pathway.

### SKILLS & KNOWLEDGE NEEDED

#### Basic Skills:

- Active Listening
  - Speaking
- Critical Thinking
  - Complex Problem Solving
- Judgment and Decision Making

#### Technology Skills:

- Computer Aided Design Software
- Data Base User Interface and Query Software
- Document Management Software
- Graphics or Photo Imaging Software
  - Project Management Software

#### Knowledge:

- Design
  - Building and Construction
- Customer and Personal Service
  - English language
- 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
Architecture & Engineering Occupations	19,925	21,300	1,375	0.7	625
Architects, Ex Landscape & Naval	925	1,060	135	1.5	30

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
Architecture & Engineering Occupations	33.39	69,442	21.12	43,934	39.52	82,195
Architects, Ex Landscape & Naval	35.16	73,129	22.69	47,204	41.39	86,092

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

## EDUCATION & TRAINING



Education	Work Experience	Job Training
Bachelor's Degree	None	Internship/Residency

A bachelor's degree is required for architect positions along with sufficient internship experience. Licenses, certificates, and/or commissions required. 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.iowaworkforcedevelopment.gov/iowa-licensed-occupations>

## NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level	Minimum Skill Level	Maximum Skill Level
Applied Mathematics	7	7	7
Locating Information	6	6	6
Reading for Information	7	6	7
Applied Technology	n.a.	n.a.	n.a.
Business Writing	5	5	5
Workplace Observation	3	3	4
Listening for Understanding	3	2	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 Architects Employed?)

- Professional, Scientific, and Technical Services
- Self Employed
- Educational Services
- Construction of Buildings

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

## ADDITIONAL SOURCES:

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