



Construction Trades II

Career Explorations:

Architect

April 15, 2020



10-12/ Construction Trades II
Career Explorations/Architect: [April 15, 2020]

Objective/Learning Target:
Students will explore architecture as a career path.

Architect Career Info

Architects design a wide variety of buildings and structures, including houses, hospitals, government buildings and more. Architects are concerned with functionality, safety, practicality, legal issues and aesthetics in a building's design. They often partake in every part of the building process - from conception to construction - to ensure a satisfactory result. Many work very long hours as deadlines approach.

Architect Career Info

Architects need strong communication, analytical, critical-thinking, organizational, and visualization skills. They also must be proficient with specialized tools and technology. According to the U.S. Bureau of Labor Statistics, architects earned a mean annual salary of \$82,850 as of May 2015.

Watch The Video:

[How to Become an
Architect](#)

What does it take to become an architect

Degree Level	Bachelor's degree; master's for advancement
Degree Field(s)	Completion of a 5-year bachelor's program accredited by the National Architectural Accrediting Board (NAAB)
License/Certification	Varies by state (bachelor's and internship typically required); voluntary certifications available
Experience	Internships/hands-on training (typically required for licensure)
Key Skills	Strong communication, analytical, critical-thinking, organizational, and visualization skills; proficient with specialized tools and technology
Mean Annual Salary (2015)	\$82,850

Source: U.S. Bureau of Labor Statistics

How Can I become an architect

1. Bachelor's Degree Programs

State architecture boards determine the requirements for becoming an architect; however, most boards require completion of a 5-year Bachelor of Architecture program accredited by the National Architectural Accrediting Board (NAAB). In August of 2015, the NAAB reported there were 58 such programs in the United States. Courses might include building systems and technology, project management, structural elements and environmental planning.

Several competitions are available to students pursuing degrees in architecture, including competitions hosted by the Association of Collegiate Schools of Architecture. These competitions challenge students to design innovative structures that comply with a theme, such as sustainability or creative use of steel. Participating in such competitions can provide an aspiring architect with experience to list on his or her resume, as well as valuable feedback on his or her design abilities.

2. Attend an Internship Program

All states require that architects complete training or internship programs prior to obtaining licensure. Internships typically last three years and enable aspiring architects to gain hands-on experience under the supervision of licensed architects. Most states employ the **Intern Development Program (IDP)** administered by the National Council of Architectural Registration Boards (NCARB) and the American Institute of Architects.

Completion of the IDP entails 5,600 hours of state- and NCARB-approved work experience. This experience is divided into elective and core hours. The four main experience areas covered in the IDP are pre-design, design, project management and practice management. Interns will learn about a variety of topics, including schematic design, site and building analysis, zoning regulations and contract negotiation.

3. Obtain State Licensure

Architects must hold licensure from the states in which they practice. While conditions for obtaining licensure vary, most states require completion of an approved bachelor's degree program and an internship. Qualified applicants may sit for the NCARB's **Architect Registration Examination (ARE)**, which is a 7-part pass-or-fail test covering topics in site planning, building systems and construction documents.

4. Earn Professional Certification

Many architects opt to earn voluntary NCARB certification, which demonstrates professional aptitude and may make it easier to obtain reciprocal licensure from another state. This certification is available to licensed architects who submit transcripts, documentation of ARE passage and proof of acceptable experience. Candidates might be required to sit for an interview or additional testing before being approved for NCARB certification.

Maintain Certification

Architects may have to renew licensure regularly by earning continuing education credits. Almost every state requires completion of a designated number of continuing education hours on an annual or biannual basis. Additionally, continuing education can help an architect stay current in industry trends and technological innovations related to the field. The NCARB offers licensed architects a wide variety of continuing education options covering advanced topics such as architectural acoustics, energy-conscious architecture and fire safety.

Consider a Graduate Degree

Many architects pursue advanced education in master's degree programs, which may last 1-5 years depending on the students' previous architectural education. The NAAB had accredited 95 Master of Architecture degree programs in August 2015. Such degree programs may also be a viable option for students who are interested in a career in architecture and hold bachelor's degrees in an unrelated field.

Additionally, some schools offer post-professional degree programs, which are not accredited by the NAAB but may be required for specialty, research or teaching positions. Post-professional programs often result in specialized masters or doctoral degrees.

Specialize and Gain Experience to Advance Career

Rapidly changing technologies and needs are expanding career opportunities for architects. The emergence of green technology has created a demand for architects specializing in sustainable design. Those who specialize in green design will have a career advantage. A more traditional route for career advancement is to gain enough experience within an architectural firm to become a partner.

Architecture fun facts

1. An architect is only part of the design process and has nothing to do with the construction phase.

- True
- False

Answer: False

Architects play a roll in the conception and construction of a building to ensure structural integrity.

2. The average salary for an architect according to the Bureau of Labor and Statistics is ?

- \$50,000 - \$60,000 annually

- \$60,000 - \$70,000 annually

- \$70,000 - \$80,000 annually

- \$80,000 - \$90,000 annually

**Answer: \$80,000
- \$90,000**

According to the Bureau of Labor and
Statistics the median income for an
architect in 2015 was \$82,850

**3. An architectural intern will spend
_____ years learning the trade.**

- 1

- 2

- 3

- 4

Answer: 3

An architectural intern will spend 3years mastering the trade. A total of 5,600 hours.

4. State architectural boards determine the requirements for becoming an architect ?

- True
- False

Answer: True

These guidelines often coincide with NAAB requirements.

5. An architect should possess which of the following skills.

- Communication Skills
- Analytical Skills
- Critical Thinking Skills
- Organizational Skills
- Visualization Skills
- All of the Above
- None of the Above

Answer: All of the above

Architects need strong communication, analytical, critical-thinking, organizational, and visualization skills.

6. The bachelors degree program for this field will take 6 years to complete?

-True

-False

Answer: False

The course work for this program often takes 5 years to complete and is recognized by the NAAB.

7. You must attend a 4-year college in order to become an architect?

-True

-False

Answer: True

While conditions for obtaining licensure vary, most states require completion of an approved bachelor's degree program and an internship.

8. Which of the following is NOT part of the four main areas covered in the intern program include?

- pre-design
- design
- project management
- trends and concepts
- practice management

Answer: Trends and Concepts

The four areas covered in the internship program include; pre-design, design, project management and practice management.

Credit

- x Bureau of Labor and Statistics
- x Study.com

