

Architecture & Construction Cluster



Careers in designing, planning, managing, building and maintaining the built environment.

Data Sources
Bureau of Labor
Statistics
CareerInfoNet
CareerClusters
The College
Board
Tracer

Civil Engineers

The Great Pyramid of Giza is the only one of the seven wonders of the ancient world still standing. How did the Egyptians, working over 4,500 years ago, ever manage to build it? The Egyptians engineered ways to meet the huge challenges they faced—all without power tools, computers, trucks or even pulleys. Today's civil engineers have it a lot easier, but their projects are no less fascinating.

If you are interested in building the wonders of the modern world, a career as a **civil engineer** may be for you.

Civil engineers design, plan and run large building projects, such as bridges, buildings, roads, dams and water-supply systems.

Are You Ready To...?

- Solve complex problems
- Write reports
- Read blueprints
- Understand and meet building codes
- Work outside and inside
- Travel to different job sites

It Helps To Be...

Someone who loves taking things apart and putting them back together. If you couldn't get enough Lego time when you were young, this could be the career for you.

A Day In The Life...

- Analyze ecosystem data
- Analyze engineering design problems
- Analyze project proposal to determine feasibility, cost or time
- Analyze technical data, designs or preliminary specifications
- Bid engineering, construction or extraction projects

Salary and Opportunity in the Austin-area

Median Hourly Wage: \$39.62

*That comes out to more than
\$82,419 a year.*

**In 2016, we had
2,944 Civil Engineers.
By 2026, we'll need 3,268.**

Could you be one of the 324?

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Civil Engineers

After High School...

In addition to a high school diploma, many employers look for civil engineers with a **bachelor's degree**.



Top 5 Industries for Civil Engineers

1. Architectural, Engineering and Related Services
2. Nonresidential Building Construction
3. Local Government, except Education & Hospitals
4. Heavy and Civil Engineering Construction
5. Colleges, Universities and Professional Schools

For more Career Profiles, visit our website:

[http://www.wfscapitalarea.com/YouthServices/
CareerPlanning.aspx](http://www.wfscapitalarea.com/YouthServices/CareerPlanning.aspx).

Related College Majors

- Architectural Engineering
- Civil Engineering
- Construction Technology
- Environmental Engineering
- Surveying
- Urban Studies

Related Industry Certifications

- Certified Value Specialist
- Highway Traffic Operator
- Certified Groundwater Professional
- Highway System Maintenance and Preservation

Related Careers

- Architects
- Construction Managers
- Engineering Technicians
- Engineering and Science Managers
- Environmental Engineers
- Landscape Architects
- Urban and Regional Planners

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