

Science, Technology, Engineering & Math (STEM) Cluster



Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services and research and development services.

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

Architectural and Civil Drafters

You've probably heard of Leonardo da Vinci as the artist who painted the Mona Lisa. But did you know that he was also a highly skilled draftsman? An engineer, scientist, and architect, da Vinci produced many more drafts of his scientific ideas than actual paintings. Today's drafters have it a lot easier than da Vinci since they use computers to make models and preview the construction process.

If you are interested in following in da Vinci's footsteps, a career as an **architectural and civil drafter** may be for you.

Architectural and civil drafters create technical drawings and plans that are used in construction, architecture and engineering. Their drawings show details and dimensions, explain procedures and list materials.

Are You Ready To...?

- Turn ideas into images
- Spend your day at a computer
- Make exact measurements
- Estimate quantities
- Explain your plans to builders
- Keep up with new technology

It Helps To Be...

A computer fan who likes working with details and could spend all day drawing. You'll need to turn words into drawings, so it helps to have a mind that can picture the final product.

A Day In The Life...

- Analyze technical data, designs or preliminary specifications
- Collect scientific or technical data
- Develop plans for programs or projects
- Draw maps or charts
- Evaluate engineering data

Salary and Opportunity in the Austin-area

Median Hourly Wage: \$23.67

*That comes out to more than
\$49,229 a year.*

**In 2016, we had 870
Architectural and Civil
Drafters.**

By 2026, we'll need 908.

Could you be one of the 38?

**Prepared
by**



**WORKFORCE
SOLUTIONS** Capital
Area

Connecting People to Jobs

A proud partner of the American Job Center Network.
Workforce Solutions Capital Area is an equal opportunity employer/program.
Auxiliary aids and services are available, upon request, to persons with disabilities.
Relay Texas: 1.800.735.2969 (TDD) / 711 (Voice).

Science,
Technology,
Engineering
& Math
(STEM)
Cluster

Architectural and Civil Drafters

After High School...

In addition to a high school diploma, many employers look for architectural and civil drafters with a degree from a **technical institute**, **community college** or a **four-year college**.



Top 5 Industries for Architectural and Civil Drafters

1. Architecture, Engineering and Related Services
2. Building Equipment Contractors
3. Nonresidential Building Construction
4. Architectural and Structural Metals Manufacturing
5. Residential Building Construction

For more Career Profiles, visit our website:

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

Related College Majors

- Architecture
- Civil Engineering
- Construction Technology
- Drafting and Design Technology
- Mechanical Engineering
- Surveying

Related Industry Certifications

- Apprentice Drafter—Mechanical
- AutoCAD Architecture Certified Associate
- Certified Building Plans Examiner
- Certified Design Drafter—Architectural
- Certified Design Drafter—Civil
- Drafter Certification

Related Careers

- Architects
- Civil Engineers
- Construction Managers
- Engineering Technicians
- Industrial Designers
- Set Designers

Prepared
by



WORKFORCE
SOLUTIONS Capital Area
Connecting People to Jobs

A proud partner of the American Job Center Network.
Workforce Solutions Capital Area is an equal opportunity employer/program.
Auxiliary aids and services are available, upon request, to persons with disabilities.
Relay Texas: 1.800.735.2969 (TDD) / 711 (Voice).