

## 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?*

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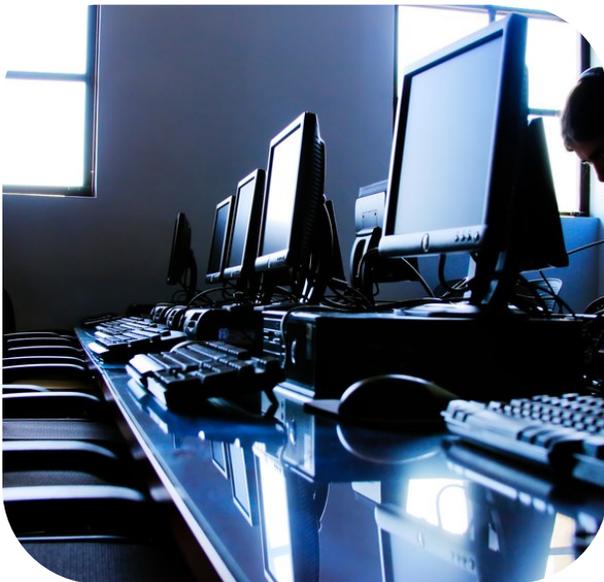
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# Architectural and Civil Drafters

## 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

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