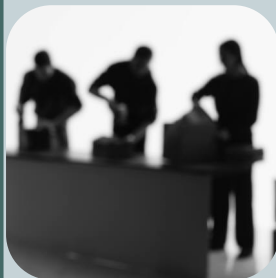


Manufacturing Cluster



Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

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

Machinists

You might think a machinist is someone who runs machinery. But without machinists, there would be no machines to run. Working with lathes, grinders, drill presses and other tools, machinists create metal parts for industrial machinery. Factory workers use these machines to make all sorts of products. Machinists also make parts for cars and planes. And they often work with computer-numerically controlled (CNC) machines, working closely with CNC programmers.

If you are interested in a career creating machines, a career as a **machinist** may be for you.

Machinists create the metal parts used in industrial machinery.

Are You Ready To...?

- Master metal
- Work with lathes, grinders and other tools
- Work from blueprints
- Write reports and keep records
- Spend long hours on your feet
- Work independently

It Helps To Be...

Someone who loves to solve problems and work with tools. Being accurate, especially in math, is also important, and you'll need to be able to concentrate for long periods of time, too.

A Day In The Life...

- Adjust production equipment/machinery setup
- Confer with engineering, technical or manufacturing personnel
- Design tools or mechanical devices
- Determine tasks needed to complete machined products

Salary and Opportunity in the Austin-area

Median Hourly Wage: \$21.18

That comes out to more than \$44,057 a year.

In 2016, we had 581 Machinists.

By 2026, we'll need 669.

Could you be one of the 88?

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Machinists

After High School...

In addition to a high school diploma, many employers look for machinists with a **certificate** or **associate's degree**. Additionally, some machinists receive **on-the-job training** or complete a **union apprenticeship**.



Top 5 Industries for Machinists

1. Machine Shops; Turned Product; and Screw, Nut and Bolt Manufacturing
2. Agriculture, Construction and Mining Machinery Manufacturing
3. Employment Services
4. Machinery, Equipment and Supplies Merchant Wholesalers
5. Metalworking Machinery Manufacturing

For more Career Profiles, visit our website:

<http://www.wfscapitalarea.com/YouthServices/CareerPlanning.aspx>.

Related Programs or Majors

- Four-year Union Apprenticeship
- Training on the job
- Machine Tool Technology (degree or certificate)

Related Industry Certifications

- Machining Level I—CNC Milling: Programming Setup & Questions
- Machining Level I—Manual Milling
- Machining Level II—Cylindrical Grinding
- Machining Level II—CNC Milling

Related Careers

- Computer-Control Programmers and Operators
- Engineering Technicians
- Jewelers and Precious Stone and Metal Workers
- Sheet Metal Workers
- Tool and Die Makers
- Welders

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