

## 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

# Semiconductor Processors

*What do hearing aids and computers have in common? To a semiconductor processor, the answer's obvious. They both use microchips—the tiny little devices that do the thinking for pretty much every electronic device imaginable. Semiconductor processors earn their living making microchips, and it's a complex, intricate process. Only people who are good with their hands and have an eye for detail need apply; the parts you'll work with are tiny, and so is the margin for error.*

If you are interested in a career creating “brains” for electronic devices, a career as a **semiconductor processor** may be for you.

**Semiconductor processors make the microchips used in electronic products, from cars to cameras.**

### **Are You Ready To...?**

- Handle tiny parts
- Work with toxic chemicals
- Work quietly and with concentration
- Wear a “bunny suit” over your clothes to keep the work area clean
- Keep detailed records
- Work on a team

### **It Helps To Be...**

A logical thinker with a knack for electronics. You'll need to be able to anticipate and fix problems. Being good with your hands is a must, and being a neat, careful person will help, too, since absolute cleanliness is required.

### **A Day In The Life...**

- Adjust production equipment/machinery setup
- Attach or mark identification onto products or containers
- Clean equipment or machinery
- Compute production, construction or installation specifications

### **Salary and Opportunity in the Austin-area**

**Median Hourly Wage: \$18.09**

*That comes out to more than \$37,617 a year.*

**In 2016, we had 1,081 Semiconductor Processors.**

**By 2026, we'll need 1,260.**

Could you be one of the **179?**

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## After High School...

In addition to a high school diploma, many employers look for semiconductor processors with a **certificate** or an **associate's degree**.



## Top 5 Industries for Semiconductor Processors

1. Semiconductor and Other Electronic Component Manufacturing
2. Navigational, Measuring, Electromedical and Control Instruments Manufacturing
3. Employment Services
4. Communications Equipment Manufacturing
5. Computer and Peripheral Equipment Manufacturing

For more Career Profiles, visit our website:

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

## Related Majors or Degrees

- Two-year associate's degrees
- One-year certificate in semiconductor technology

## Related Industry Certifications

- Semiconductor Technology
- Industrial Electronics Technology/ Technician

## Related Careers

- Computer Hardware Engineers
- Electronics Technicians
- Elementary, Middle and High School Teachers
- Engineering Technicians
- Jewelers and Precious Stone and Metal Workers
- Precision Instrument and Equipment Repairers

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