


 10  
HOT

# MANUFACTURING STEM JOBS BY SALARY

## WHAT WILL I DO?

### FABRICATOR

While assembling individual parts and building products, you will perform quality control and ensure all components work properly and safely. Your understanding of manufacturing technologies and ability to read plans, such as blueprints, allow you to perform your job seamlessly.

### WELDER

You will use one of the many different methods of welding to fuse together metal components of products. You're trained to study product manufacturing plans, operate welding power tools, and ensure the quality of your work.

### MACHINIST

Using mechanical machines and computer programs, such as CAD (computer-aided design) and CAM (computer-aided manufacturing) you will create metal tools and parts. Many machinists are either toolmakers or die makers whose roles complement each other but fulfill different manufacturing needs.

### ELECTRONIC TECHNICIAN

Through testing and repairing power supplies, motor drives, and controllers, you maintain the electrical systems within a manufacturing plant. You might also maintain, test, and repair customer products. You also are responsible for learning about and becoming proficient in new technologies being developed for the manufacturing industry.

### DRAFTER

Courses in design, sketching, and CAD (computer-aided design) software arm you with the knowledge to translate the work of architects and engineers into technical drawings. The intricate details included in your work will be used as a plan of action for manufacturing products.

## MEDIAN SALARY

\$30,080

\$38,150

\$42,110

\$47,480

\$52,720

## STEM TYPE



Producer



Solver



Producer



Solver



Designer

## WILL I LIKE IT?

You don't just know how something works. You know how the parts inside it work.

You make a welder's helmet look good.

Why buy new when you can simply repair and reuse?

In your house, your parents never call an electrician—they have you.

You doodle with purpose.

## SCHOOLS THAT TRAIN

- High school diploma or equivalent

- High school diploma or equivalent

- High school diploma or equivalent

- Aiken Technical College
- Bates Technical College
- Macomb Community College

- Camden County College
- Central Georgia Technical College
- Western Dakota Technical Institute

## WHO'S HIRING

- Archer Daniels Midland Company
- Brunswick Corporation
- Cummins Inc.

- HD Supply
- Lockheed Martin
- Yazaki of North and Central America, Inc.

- Nestle USA
- PepsiCo
- The Timken Company

- Advanced Technology Services
- Cummins Inc.
- The Goodyear Tire & Rubber Company

- Archer Daniels Midland Company
- HD Supply
- The Timken Company

WANT TO KNOW YOUR STEM TYPE?  
LOG ON TO [STEMTYPE.STEMJOBS.COM](http://STEMTYPE.STEMJOBS.COM)  
TO FIND IT!

### FIELD SERVICE ENGINEER

Working in the field, you will address issues with electrical systems, including installation and maintenance. Following installation or repairs you will test equipment to ensure the system is left in working order. This job usually requires daily local travel between job sites to work with different clients.

**\$64,487**



Solver

Making a battery from coins? No problem.

- Piedmont Community College
- Union County College
- Western Technical College

- Advanced Technology Services
- PepsiCo
- Yazaki of North and Central America, Inc.

### DESIGN ENGINEER

In this role, you will perform research regarding the best practices to begin developing products. Not only will you contribute ideas for efficiently and safely creating quality products, you will design and test prototypes.

**\$79,587**



Designer

You spend your spare time taking things apart and making something new.

- Clemson University
- Colorado Mesa University
- Indiana State University

- BAE Systems, Inc.
- Brunswick Corporation
- Nestle USA

### SENIOR PLANT PROCESS ENGINEER

You are the person who keeps a manufacturing plant running smoothly and ensures the safety of employees. By monitoring the use of machines and technology, you evaluate the quality of output by the plant. Working in this role, you serve as the project lead, and monitor employee performance and manufacturing costs.

**\$81,791**



Integrator

You're not bossy, you're just good at being in charge.

- New Jersey Institute of Technology
- University of Colorado Boulder
- University of Georgia

- Brunswick Corporation
- The Goodyear Tire & Rubber Company
- Lockheed Martin

### MANUFACTURING ENGINEER

After receiving plans for new products, you will decide upon the materials that will best deliver a quality item. Among your duties will be planning budgets, meeting with other engineers and designers, and studying the characteristics of materials when used in product prototypes.

**\$91,310**



Investigator

The U.S. Patent Office is already familiar with your work.

- Central Michigan University
- Columbia University in the City of New York
- University of Southern California

- The Goodyear Tire & Rubber Company
- HD Supply
- Yazaki of North and Central America

### MATERIALS ENGINEER

It is your job to evaluate the materials that are best to use when developing products. You will determine how materials and machinery will work together to manufacture quality goods that will perform according to the quality control guidelines of your company and expectations of consumers.

**\$94,690**



Designer

You like trying to break things so you can make them better.

- Arizona State University-Downtown Phoenix
- Boise State University
- Michigan State University

- Nestle USA
- PepsiCo
- The Timken Company