

Assembly & Fabrication



What They Do

Assemblers and fabricators work to assemble finished products that go into manufactured products. They also perform quality checks for mistakes of faulty components in the assembly process. The most common workplace of assemblers and fabricators work in manufacturing plants.

Job Duties

- Reading and understanding blueprints
- Use various hand tools and machines to assemble parts
- Reading and understanding product schematics and assembly instructions
- Taking part in product development meetings
- Verifying dimensions and product specifications
- Ensuring that all the required parts for assembly are present
- Marking cutting lines on material
- Ensuring that all parts are properly fitted, aligned, and screwed in
- Ensuring that quality control standards are met
- Maintaining a production schedule
- Testing products for their functionality
- Troubleshooting and stress testing products to minimize problems or recalls
- Reporting and detailing product malfunctions
- Adhering to assembly safety standards

Job Earnings

****CareerZone.NY.gov**

\$33,710 per year average salary
\$16.21 per hour average wage

Education/Training

The education level and qualifications needed to be an assembler or fabricator varies with the industry and employer. Although a high school diploma is enough for most jobs, experience and additional training are needed for more advanced assembly work.

Job Outlook

Overall employment of assemblers and fabricators is projected to decline 11 percent from 2019 to 2029. However, many openings are expected each year because of the need to replace workers who leave the occupation.

Assembly & Fabrication - Career Pathway

Ways to Start Preparing for Your Future Career TODAY!

1 Middle/High School Classes to Take:

- Computers
- Woodworking
- Technology Class
- Mathematics

2 Clubs/Extracurricular Activities:

- Boy Scouts of America Explorer Program (www.exploring.org)
- SkillsUSA (www.SkillsUSA.org)
- GCC Tech Wars (www.techwarsgccny.org)
- Young Dexter's STEAM Camp for Grades 6-8 (www.BEAGenesee.com)
- Camp Hard Hat for Grades 8-10 (www.BEAGenesee.com)

3 Local BOCES/Career & Technical Education Programs:

- Genesee Valley BOCES (www.GVBOCES.org)
 - Metal Trades Program (Batavia & Mount Morris Campuses)
 - WNY Tech Academy - Supply Chain Management
- Monroe2-Orleans BOCES (www.Monroe2BOCES.org)
 - Engineering & Metal Fabrication: Machining
- Orleans-Niagara BOCES (www.ONBOCES.org)
 - Advanced Manufacturing & Engineering

4 Volunteer Opportunities:

- Habitat for Humanity

5 Local Colleges/Training:

- OSHA Certification Program:
 - Monroe 2-Orleans BOCES Center for Workforce Development (www.Monroe2CWD.edu)
 - OSHA- 10 Hour General Industry Course