

# Manufacturing

10-06 State of the Sector Lesson

**PARKVIEW EDUCATION**

## Virtual Workplace Experience (VWE) II

- *Louisiana Career Awareness:* The VWE II provides students the opportunity to explore careers in Louisiana's high-demand industry sectors.
- *Project-Based Learning:* VWE II emphasizes student-selected project-based learning. Meaning, you get to pick your own projects and conduct your own research.
- *Micro-Industry Engagement:* VWE II offers you various opportunities to engage with unfamiliar workplace adults who work in high-wage, high-demand industry sectors. These mentor engagement projects will be among your most treasured high school memories!

# Louisiana High-Demand Industry Sectors

- Healthcare and Pharmacy
- Construction Crafts / Skilled Trades
- Information Technology
- Automotive Service and Repair
- Culinary
- Advanced Manufacturing
- Transportation, Trade and Logistics
- Business Management and Finance
- Sales and Customer Service

# Manufacturing

- Manufacturing refers to a large-scale production of goods that converts raw materials, parts and components into finished merchandise using manual labor and/or machines.
- The finished goods can be sold directly to consumers, to other manufacturers for the production of more complex products, or to wholesalers who distribute the goods to retailers.



# Louisiana Manufacturing Pathways

The following are statewide manufacturing certifications, when offered by the school/district, students can earn while in high school.

| Jump Start Pathways             | Starting Salary     |
|---------------------------------|---------------------|
| Certified Mechanical Drafter    | \$30,000 - \$53,000 |
| Industrial Maintenance Mechanic | \$20,000 - \$27,000 |
| Welder                          | \$26,000 - \$38,000 |
| Pre-engineering                 | \$47,000 - \$70,000 |

## Sample Middle Skill Manufacturing Jobs

Middle skill jobs generally require some education beyond high school, but less than a bachelor's degree. Training can include associate's degrees and/or vocational certificates.

| Middle Skill High-Demand Positions         | 2017 Employment | Annual Wage |
|--|-----------------|-------------|
| Molder, Shaper, and Caster                 | 120             | \$31,150    |
| Computer Controlled Machine Operator       | 570             | \$45,710    |
| Inspector, Tester, Sorter Sampler, Weigher | 8,840           | \$49,130    |

Information obtained from United States Bureau of Labor Statistics at [https://www.bls.gov/oes/current/oes\\_la.htm#49-0000](https://www.bls.gov/oes/current/oes_la.htm#49-0000)

# Sample High Skill Manufacturing Jobs

High skill jobs often require a bachelor's degree. Individuals can also advance to high skill positions through rigorous on-the-job training.

| High Skill High-Demand Positions                              | 2017 Employment | Annual Wage |
|---|-----------------|-------------|
| First Line Supervisor of Production                           | 9,930           | \$71,170    |
| First Line Supervisor of Mechanics, Installers, and Repairers | 9,080           | \$64,620    |
| Installation, Maintenance, and Repair                         | 94,280          | \$44,170    |

Information obtained from United States Bureau of Labor Statistics at [https://www.bls.gov/oes/current/oes\\_la.htm#49-0000](https://www.bls.gov/oes/current/oes_la.htm#49-0000)

# Is Manufacturing the right field for you?

**According to the non-profit “dream it. DO IT.” today’s manufacturers offer great career opportunities for people who:**

- Like to be challenged and solve problems.
- Want opportunities to grow and learn.
- Like clean, high-tech working conditions.
- Want to find ways to help the environment.
- Intend to work in their field right away after graduation.
- Want to earn enough to live well.
- Plan to move up in their career.

Visit this website to learn more about Manufacturing from the Dream it. DO IT. Network -

<http://www.yourfutureinmanufacturing.com>