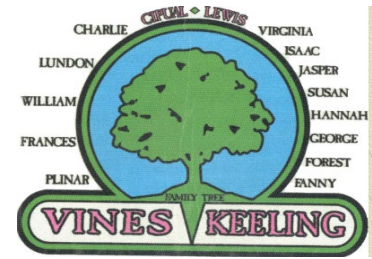


ApprenticeshipUSA Chat Sheet



October 2024

Monthly Newsletter for H.S. Students – Advanced Manufacturing

What is the Advanced Manufacturing Industry?

The Advanced Manufacturing industry is a modern approach to manufacturing that integrates innovative technologies and methods to improve efficiency, quality, and competitiveness. It leverages cutting edge advancements like artificial intelligence, robotics, 3D printing, and advanced materials to optimize every stage of the manufacturing process, from design to production and delivery.

Why is Advanced Manufacturing Important?

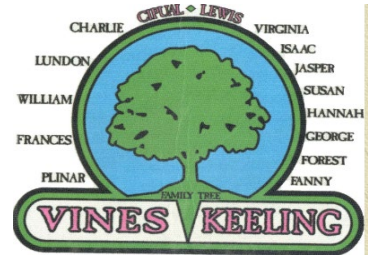
The Advanced Manufacturing industry is a cornerstone of human society, providing essential resources and supporting numerous economic sectors. The Advanced Manufacturing industry is essential for human survival, economic development, and environmental sustainability. Its role in providing food, supporting livelihoods, and managing resources is indispensable for a thriving society.

What are the Benefits of a Career in the Advanced Manufacturing Industry?

The Advanced Manufacturing industry offers a variety of rewarding career paths, and the job outlook for these positions is positive in the coming 24 months. The Industry is growing rapidly, ensuring job stability and high demand for qualified workers. This is a sample of occupations with good future job prospects and average starting annual pay in parenthesis (....):

- 1) **Machinist** - (Good - \$45,000/year) w/HS Diploma;
- 2) **Welder** - (Good - \$40,000/year) w/HS Diploma;
- 3) **Industrial Maintenance Machanic** - (Good - \$45,000/year) w/HS Diploma;
- 4) **Robotics Technician** - (Good - \$50,000/year) w/HS Diploma;
- 5) **Logistics Technician** – (Good - \$40,000/year) w/HS Diploma.

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How to Prepare for a Career in the Advanced Manufacturing Industry?

If you are interested in a career in the Advanced Manufacturing industry, there are a few different ways you can get started. Focus on Science, Technology, Engineering and Mathematics skills which are valuable across roles. Research to learn about relevant Certifications and Licenses that can enhance career prospects.

Another approach is an Apprenticeship. Go to the **ApprenticeshipUSA** link for more information[click the blue] ([Homepage | Apprenticeship.gov](#)). There, you will find Apprenticeship Programs and on-the-job training opportunities which can take 1 to 2 years of hands-on and classroom training with pay. Let me know if you have questions or need assistance.

For local in-person support you can use your area **American Job Center (AJC)** [click the blue] ([American Job Center Finder | CareerOneStop](#)). Simply enter your Zip code to find your nearest AJC.

Conclusion

The Advanced Manufacturing Industry is positioned to expand and offer exciting careers for motivated individuals. Remember, the journey to becoming an Advanced Manufacturing professional begins now, so start actively preparing and exploring your options.

Additional Tips for High School Students

- Take advantage of career counseling services at your high school. Your high school counselors can help you to learn more about different career options, including Advanced Manufacturing industry careers.

Tip for recent High School graduates looking for a change:

- Check out the American Job Center (AJC) above...a great resource!