



Career and Technical Education:

Project Lead The Way | Engineering

Cluster: Manufacturing, Engineering and Technology

"My PLTW experience gave me a well rounded introduction to STEM. It was very awesome helped me think outside the box when solving problems." - Student

Are you constantly seeing problems and trying to find just the right solution? If so, you have the heart of an engineer and Project Lead the Way Pre-Engineering may be the best fit for you. As part of the Manufacturing, Engineering, and Technology cluster, you will use the design process to create better solutions to the problems we face every day. Tomorrow's problems will need people like you to find new and better ways to solve them.

What's the bonus?

- Internships
- Robotics Clubs
- Industry projects
- Career Mentorship

Get Certified or Licensed:

- Autodesk AutoCAD/Revit Certification,
- College Board Exam -AP Computer Science Principles, or College Credit

Did You Know?

Average salaries in this pathway:

- Electrical Engineer - \$111,000
- Mechanical Engineer - \$103,000
- Civil Engineer - \$81,000

How do I know if this pathway is right for me?

In choosing a pathway, ask yourself:
What do I enjoy doing?
What am I good at doing?
Does this pathway align with my dreams and goals?

What do I have to do to complete this course?

This four-course sequence provides an introduction to the field through Principles of Engineering, Computer Integrated Manufacturing, Digital Electronics, and a senior year project through Engineering Design and Development.

Which Schools offer this pathway?

- Baltimore Polytechnic Institute
- Carver Vocational-Technical High (program offered beginning in school year 2024-2025)
- Mergenthaler Vocational-Technical High School
- Patterson High School
- Western High School

Learn more about Career and Technical Education (CTE) pathways at: www.baltimorecityschools.org/cte

