

BERKSHIRE HIGH SCHOOL



MECHANICAL TECHNICIAN PROGRAM WITH CROSS SECTOR ADVANCED MANUFACTURING

ADVANCED MANUFACTURING

At Berkshire Local Schools, the Advanced Manufacturing program serves as a dynamic cross-sector bridge between two key career pathways: Mechanical Technology and Advanced Manufacturing. This integrated approach equips students with transferable skills that align with both modern industry demands and regional workforce needs.

High school students can design a personalized learning experience and explore in-demand career fields through the STEM Engineering and Manufacturing Pathway. Students may earn industry-recognized credentials, participate in experiential learning opportunities, and earn in-house specializations upon graduation.





INDUSTRY 4.0 WITH SACA BASIC AND ADVANCED CREDENTIALS

This course is designed to provide foundational knowledge and hands-on experience in advanced manufacturing, automation, and smart systems integration. Students gain hands-on experience in advanced manufacturing, automation, and smart systems. This course prepares students for [SACA Basic](#) and [Advanced Industry 4.0](#) certifications, covering safety, quality, production, and maintenance. Learn blueprint reading, mechanical/electrical problem-solving, and cutting-edge tech like AI, 5G, robotics, AR, and data analytics.

High-Wage Careers Start Here

The **Mechanical Technician** pathway leads to in-demand careers with strong earning potential:

- **Automotive Technicians & Mechanics:**
Start around **\$28K** → earn **\$45K+** → top earners reach **\$79K**
- **Automotive Engineering Technicians:**
Average **\$65K** → top earners near **\$90K**
- **Maintenance & Repair Workers:**
Average **\$50K** → advance to **\$75K+**

With hands-on training, industry credentials, and real-world experience, students graduate ready for **high-paying jobs, advancement, or continued education** in engineering and skilled trades.



BELL SCHEDULE

1ST PERIOD

8:00 - 8:50 a.m. (50 minutes)
Industry 4.0: [SACA Basic and Advanced – Automation Skills](#) for Juniors

2ND PERIOD

8:53 - 9:43 a.m. (50 minutes)

3RD PERIOD

9:46 - 10:36 a.m. (50 minutes)

4TH PERIOD

10:39 - 11:29 a.m. (50 minutes)

ANNOUNCEMENTS & ADVISORY

11:32 - 11:55 a.m. (23 minutes)

5TH PERIOD

11:58 a.m. - 12:49 p.m. (51 minutes)
[Introduction to Applied Tools & Measurement Systems \(Snap-on Certification Course\)](#) for Sophomores

LUNCH

12:52 - 1:22 p.m.

6TH PERIOD

1:25 - 2:16 p.m. (51 minutes)

7TH PERIOD

2:19 - 3:10 p.m. (51 minutes)

YEAR 1 (JUNIORS) Foundational Training

1ST PERIOD

8:00 - 8:50 a.m.
Industry 4.0 SACA @Main Campus (Berkshire ONLY)

2ND AND 3RD PERIODS @BWDC

8:53 - 9:43 a.m.
Classroom Instruction w/Ford ACE Curriculum

9:46 - 10:36 a.m.

Hands On Experience

Model: 50% ACE Classroom Instruction / 50% Hands On Experience

* Berkshire Juniors who entered the pathway as Sophomores will engage in team-based service simulations (e.g., full brake repair in two-week cycles).

YEAR 2 (SENIORS)

8:00-8:30 a.m.
Classroom Instruction w/ [SACA Electrical Systems 1](#), [Pneumatic Systems 1](#), and [Mechanical Power Systems 1-Hydraulics](#)

8:30-11:29 a.m.

3 Hours Work-Based Learning WBL partnered with a 1:1 Technician

Model: 15% SACA Credentials / 85% Work Based Learning