

Engineering + Industrial Technology PATHWAY

Do you enjoy working with your hands, building, and fixing things?

Would you describe yourself as practical and logical?

Are you interested in studying science, drafting, robotics, woodworking or math?

In your free time, do you use technology to work on cars or mechanical things?



Berks County Workforce Development Board Priority Occupations in Construction for 2018

What courses are offered in the Engineering + Industrial Technology Pathway?

High School courses may vary by high school but may include the following:

- Drafting
- Architecture
- Materials – wood, metal
- Project Lead the Way Engineering Courses
- Computer Science

Berks Career & Technology Center +
Reading Muhlenberg Career & Technology
Center Programs

Construction

- Building Construction Occupations
- Cabinetry and Wood Technology
- Carpentry
- Electrical Occupations
- HVAC Refrigeration
- Masonry
- Painting and Decorating
- Plumbing and Heating

Engineering & Manufacturing Technology

- Electrical Engineering & Technology
- Mechatronics Engineering & Technology
- Robotics & Automation Technology
- Welding Technology

High School
Diploma and
Training

operating
engineer and
construction
equipment
operator

\$33,900
Entry Wage
\$43,900
Average Annual Wage

heating, A/C,
and refrigeration
mechanic and
installer

\$33,300
Entry Wage
\$46,100
Average Annual Wage

electrician

\$34,700
Entry Wage
\$51,000
Average
Annual Wage

2 or 3 Years
Post-Secondary
Training

civil
engineer

\$67,300
Entry Wage
\$104,500
Average
Annual Wage

4-Year
Degree
or More

plumber,
pipefitter,
steamfitter

\$35,600
Entry Wage
\$53,400
Average
Annual Wage

Major Berks Construction-Related EMPLOYERS:

Comfort Pro, Essig Plumbing, International Brotherhood of Electrical Workers, Met-Ed/First Energy, Schlouch Incorporated, Steamfitters Local 420, Tradesman International, UGI Utilities, Vision Mechanical Inc.

CAREER
READY
Berks

Program
Sponsors:



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Berks County Workforce Development Board Priority Occupations in Manufacturing for 2018

Cultivating students' awareness, understanding, and application in career areas that include:

ENGINEERING AND RELATED FIELDS
ARCHITECTURE
MECHANICS AND REPAIRERS
MANUFACTURING TECHNOLOGY
PRECISION PRODUCTION
ELECTRONICS AND CONSTRUCTION TRADES AND RELATED INDUSTRIES

industrial machinery mechanic

\$46,100 Average Annual Wage
\$33,300 Entry Wage

High School Diploma and Training

CNC machine tool operator / programmer

\$41,400 Average Annual Wage
\$27,000 Entry Wage

quality assurance technician

\$43,600 Average Annual Wage
\$28,300 Entry Wage

2 or 3 Years Post-Secondary Training

industrial engineer

\$75,300 Average Annual Wage
\$50,700 Entry Wage

4-Year Degree or More

welder

\$41,000 Average Annual Wage
\$33,600 Entry Wage

diesel engine specialist

\$53,400 Average Annual Wage
\$35,600 Entry Wage

Major Berks Manufacturing-Related EMPLOYERS:

Alcon Labs, American Crane and Equipment Corp., Brentwood Industries, Cambridge-Lee, Carpenter Technology, East Penn Manufacturing, Morgan Corporation, Quadrant Engineered Plastics, Reading Bakery Systems, RM Palmer, SFS Intec

Program Sponsors:



**CAREER
READY
Berks**