



# KENTUCKY'S ADVANCED MANUFACTURING INDUSTRY Maintenance, Installation, and Repair Career Pathway

## INDUSTRIAL MAINTENANCE

Higher-Skilled Occupations

### Industrial Production Managers

Average Annual Earnings: \$90,204  
Work Experience Required: 5 years or more  
Minimum Education Required: Bachelor's Degree

Five-Year Openings: 786 \*  
On-the-Job Training: None

### First-Line Supervisors of Mechanics, Installers, & Repairers

Average Annual Earnings: \$61,191  
Work Experience Required: Less than 5 years  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 1,386 \*  
On-the-Job Training: None

### Millwrights

Average Annual Earnings: \$53,863  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 228 \*  
On-the-Job Training: Apprenticeship

### Control Programmers

Average Annual Earnings: \$41,525  
Work Experience Required: Less than 5 years  
Minimum Education Required: Post-Secondary Non Degree Award

Five-Year Openings: 57 \*  
On-the-Job Training: Moderate-term

### Industrial Machinery Mechanics

Average Annual Earnings: \$49,979  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 2,329 \*  
On-the-Job Training: Long-term

### Electricians

Average Annual Earnings: \$52,161  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 1,535 \*  
On-the-Job Training: Apprenticeship

### Metal Workers

Average Annual Earnings: \$40,197  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 522 \*  
On-the-Job Training: Apprenticeship

### Welders, Cutters, Solders, & Brazers

Average Annual Earnings: \$39,237  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 1,753 \*  
On-the-Job Training: Moderate-term

### Maintenance Workers, Machinery

Average Annual Earnings: \$45,316  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 330 \*  
On-the-Job Training: Moderate-term

### Maintenance & Repair Workers, General

Average Annual Earnings: \$37,684  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 2,965 \*  
On-the-Job Training: Long-term

### Machine Setters, Operators, & Tenders \*\*

Average Annual Earnings: \$32,354  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 163  
On-the-Job Training: Moderate-term

Middle-Skilled Occupations

## MACHINING/CNC

Higher-Skilled Occupations

### Industrial Production Managers

Average Annual Earnings: \$90,204  
Work Experience Required: 5 years or more  
Minimum Education Required: Bachelor's Degree

Five-Year Openings: 786 \*  
On-the-Job Training: None

### First-Line Supervisors of Mechanics, Installers, & Repairers

Average Annual Earnings: \$61,191  
Work Experience Required: Less than 5 years  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 1,386 \*  
On-the-Job Training: None

### Tool & Die Makers

Average Annual Earnings: \$53,465  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 84 \*  
On-the-Job Training: Long-term

### Control Programmers

Average Annual Earnings: \$41,525  
Work Experience Required: Less than 5 years  
Minimum Education Required: Post-Secondary Non Degree Award

Five-Year Openings: 57 \*  
On-the-Job Training: Moderate-term

### Machinists

Average Annual Earnings: \$43,457  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 1,684 \*  
On-the-Job Training: Long-term

### Metal Workers

Average Annual Earnings: \$36,842  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 171 \*  
On-the-Job Training: Apprenticeship

### Welders, Cutters, Solders, & Brazers

Average Annual Earnings: \$39,237  
Work Experience Required: None  
Minimum Education Required: High School Diploma/GED

Five-Year Openings: 1,753 \*  
On-the-Job Training: Moderate-term

Middle-Skilled Occupations

\* Some occupations cross multiple industries. Five-Year Openings projections provided here are cross-industry, not industry-specific.

\*\* Multiple occupations are involved in this occupational category.