

# Career Pathway: *Manufacturing*



A career in manufacturing requires certain skills and education depending on job requirements. Skills include planning, managing, and performing the process of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

## Exposure Pathways

### High School Courses

PLTW Computer Integrated Man.	PLTW Principles of Engineering
Mechanical Drawing	Woods
Metals	Digital Electronics
PLTW Intro to Engineering	Cabinetmaking

### Job Shadows & Internships

Welding



### High School Clubs & Organizations

Robotics

## Experience Pathways

### College CTE Courses in High School

Introduction to Criminal Justice Social Problems	Introduction to Sociology
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### Kirkwood Career Academies

<a href="#">Advanced Man. with Robotics &amp; Welding</a>	<a href="#">Energy, Electrical, and Automation Academy</a>
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## Pursuit Pathways

### Certificates/Diplomas

Industrial Robotics Certificate	CAD/Mechanical Engineering Tec.
Entry-Level Welding	HVAC Installer
CNC Machining Technology	Electromechanical Technology
Electronics Engineering Technology	Plumbing Pre-Apprenticeship

### Careers & Median Salary Information

Radio Mechanic \$77,000	Industrial Machinery Mechanic \$53,300
Elevator Installer \$57,200	Tool and Die Makers \$45,000

### Associate Degrees

Advanced Manufacturing & Robotics Tech.	Electronics Engineering Tech.
Advanced Welding Tech.	CAD/Mechanical Engineering Tech.
Automation & Instrumentation Tech.	Energy Production & Distribution Tech.
CNC Machining Tech.	Industrial Maintenance

### Careers & Median Salary Information

Robotic Technician \$49,000	Methane/Landfill Gas Generation System Technicians \$55,000
Computer, Automated Teller, and Office Machine Repairer \$36,000	

### Bachelor Degrees

Aerospace Engineering	Manufacturing Technology
Mechanical Engineering	

### Careers & Median Salary Information

Industrial Production Manager \$91,000	Industrial Engineers \$79,000
Quality Control Systems Managers \$91,000	Environmental Engineering Technicians \$41,000