

# MANUFACTURING

OCCUPATION AND TRAINING OUTLOOK

MACOMB COUNTY | JANUARY 2020

## INTRODUCTION

Manufacturers have long been a key force in the economy in Southeast Michigan. Jobs in manufacturing range from assembly and production, to skilled trades and technicians, to designers and engineers and more. Many positions are open to individuals interested in an apprenticeship and on the job training.

**24,487  
WORKERS  
EMPLOYED**

## WAGE DISTRIBUTION AND JOB OPENINGS

	ENTRY	MEDIAN	EXPERIENCED	ANNUAL OPENINGS
Industrial Machinery Mechanics	\$15.04	\$24.64	\$36.51	204
Assemblers and Fabricators, All Other, Including Team Assemblers	\$11.05	\$17.93	\$30.22	1,854
Machinists	\$11.28	\$19.97	\$30.17	443
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.02	\$13.83	\$23.98	280
Inspectors, Testers, Sorters, Samplers, and Weighers	\$9.93	\$16.37	\$29.86	363

## EMPLOYMENT OVER TIME



## TOP POSTING EMPLOYERS

- American Consumer, Inc.
- Nesco Resource
- Start
- American Axle & Manufacturing, Inc.
- TEC Group Inc
- Adecco Group
- Triumph Group, Inc.
- Kelly Services, Inc.
- Spark Inc
- Aerotek, Inc.



## INDUSTRY EXPERTISE

Workers with production skills work primarily in a manufacturing environment, but they are in demand in other industries as well. Entry level workers are often hired by staffing companies, classified under Administrative and Support Services. Many job advertisements are also posted by Professional, Technical, and Scientific Services, Health Care and Social Assistance, and Construction employers.

### TECHNICAL SKILLS

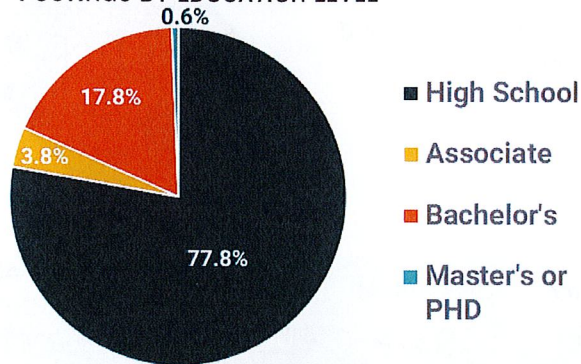
- Machining
- Tooling
- Lathes
- Blueprinting
- Grinding
- Computer Numerical Control (CNC)
- Mills
- Injection Molding
- Warehousing
- Metal Lathes

### SOFT SKILLS

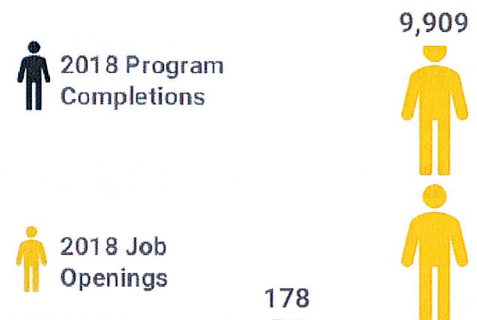
- Troubleshooting (Problem Solving)
- Operations
- Communications
- Management
- Problem Solving
- Customer Service
- Sales
- Research
- Mathematics
- Computer Literacy

## EDUCATION AND CREDENTIALS

### POSTINGS BY EDUCATION LEVEL



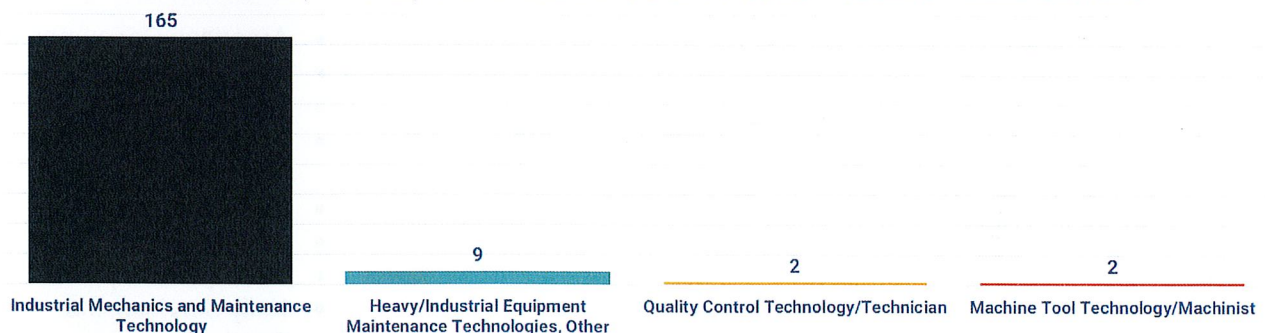
### JOB OPENINGS VS COMPLETIONS



### TOP POSTED CERTIFICATIONS

- Product Certification
- Certified Forklift Operator
- National Apprenticeship Certificate
- Certified Quality Technician
- Certified Welding Inspector
- Career Readiness Certificate
- Commercial Driver's License (CDL)
- Prestressed Concrete Special Inspector

## MACOMB, WAYNE, AND OAKLAND COUNTY 2018 PROGRAM COMPLETIONS



Schools Offering Programs: Macomb Community College • MIAT College of Technology • Wayne County CCD



## CTE Course Offerings in the Manufacturing Pathway

- Design Engineering I CAD
- Design Engineering II CAD
- CTE Design Engineering CAD
- Design Engineering Capstone
- CTE Woodworking
- CTE Furniture & Cabinet
- CTE Advanced Woodworking
- CTE Advanced Woodworking Capstone
- CTE Welding I
- CTE Welding II
- Small Engine Repair I
- CTE Small Engine

### At Stevenson MADE

- Automation I
- Automation II
- Fabrication I
- Fabrication II

### At Utica Center for Science and Industry (CSI)

- Mechatronics I
- Mechatronics II
- Engineering Technology I
- Engineering Technology II

## Senior year option of School to Work placement



Manufacturing  
Pathway



School to Work