

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

OCCUPATION AND TRAINING OUTLOOK
MACOMB COUNTY | 2022

INTRODUCTION

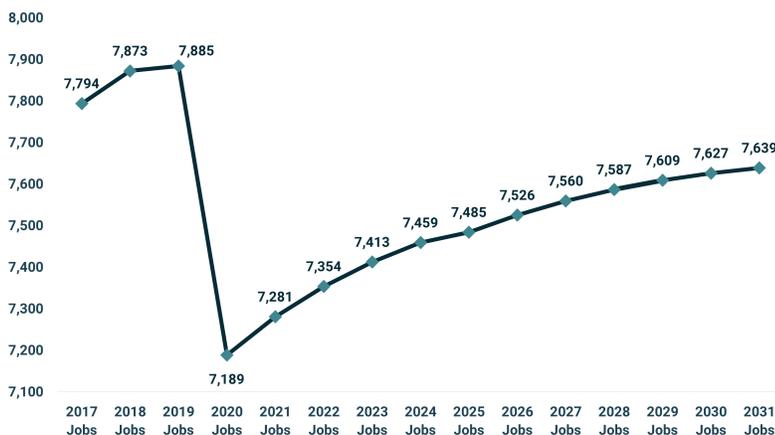
Science, technology, engineering, and mathematics workers do scientific research in laboratories and in the field. Other STEM workers plan or design products and systems. In Macomb county and across southeast Michigan, STEM workers are in high demand by manufacturers and research and development operations.

**7,281
WORKERS
EMPLOYED**

WAGE DISTRIBUTION AND JOB OPENINGS

	ENTRY	MEDIAN	EXPERIENCED	ANNUAL OPENINGS
Materials Engineers	\$27.29	\$41.50	\$58.75	11
Mechanical Engineers	\$32.98	\$46.45	\$67.01	550
Electrical and Electronic Engineering Technologists and Technicians	\$20.29	\$32.32	\$42.31	27
Electro-Mechanical and Mechatronics Technologists and Technicians	\$17.72	\$24.72	\$38.00	5
Chemists	\$18.23	\$32.89	\$50.23	7

EMPLOYMENT OVER TIME



TOP POSTING EMPLOYERS

- General Motors
- Bartech Group
- G-TECH Services
- Advantage Resourcing
- Iconma, L.L.C.
- TTI
- Aerotek
- Paslin
- Epitec
- Axalta Coating Systems

INDUSTRY EXPERTISE

Top posting employers for STEM workers include Manufacturing, Professional, Scientific, and Technical Services, Administrative and Support Services, Wholesale Trade, and Construction firms. With the high focus on robotics engineers, many of these are related to automotive companies and suppliers.

TECHNICAL SKILLS

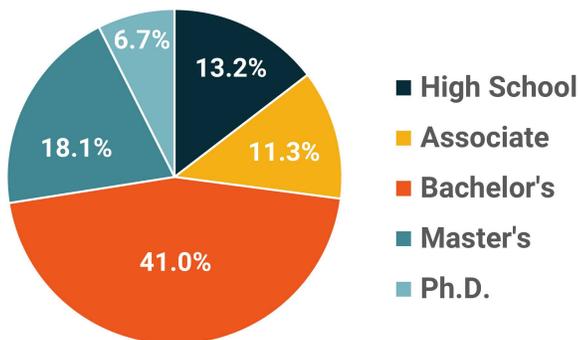
- Mechanical Engineering
- New Product Development
- Design For Six Sigma
- Tooling
- Computer-Aided Design
- Automation
- Electronics
- Electrical Engineering
- Simulations
- Siemens NX

SOFT SKILLS

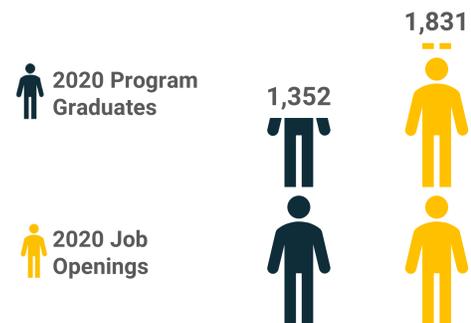
- Communications
- Integration
- Troubleshooting
- Problem Solving
- Interpersonal Communications
- Written Communication
- Management
- Leadership
- Microsoft Office
- Analytical Skills

EDUCATION AND CREDENTIALS

POSTINGS BY EDUCATION LEVEL



JOB OPENINGS VS PROGRAM GRADUATES



TOP POSTED CREDENTIALS

- Product Certification
- Professional Engineer
- Certified Forklift Operator
- Certified Welding Inspector
- Project Management Professional Certification
- Certified Quality Auditor
- Certified Safety Professional
- Engineer in Training
- EPA 608 Technician Certification
- Linux Certified Instructor

MACOMB, WAYNE, AND OAKLAND COUNTY 2020 PROGRAM GRADUATES

