

# ENERGY

## OCCUPATION AND TRAINING OUTLOOK

### MACOMB COUNTY | JANUARY 2020

## INTRODUCTION

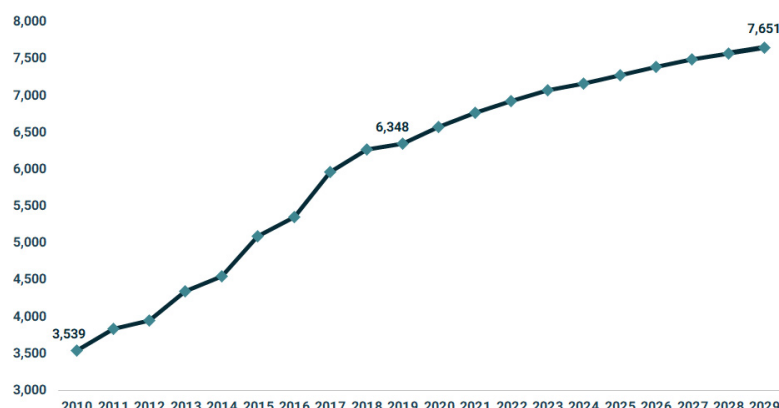
Energy companies and those competing with them for talent hire workers in engineering, science, mining, and extraction roles. A range of skills is needed to keep businesses and homes powered. Engineers, managers, and infrastructure workers such as line installers are in especially high demand in Macomb County and across Southeast Michigan.

**6,648  
WORKERS  
EMPLOYED**

## WAGE DISTRIBUTION AND JOB OPENINGS

	ENTRY	MEDIAN	EXPERIENCED	ANNUAL OPENINGS
Architectural and Engineering Managers	\$48.36	\$67.44	\$95.71	134
Industrial Engineers	\$30.66	\$44.42	\$60.75	371
Electrical Power-Line Installers and Repairers	\$17.93	\$34.99	\$54.80	12
Telecommunications Line Installers and Repairers	\$12.45	\$18.39	\$43.72	12
Power Plant Operators	\$35.71	\$46.86	\$66.16	6

## EMPLOYMENT OVER TIME



## TOP POSTING EMPLOYERS

- General Motors Company
- General Dynamics Corporation
- FCA US LLC
- BAE SYSTEMS PLC
- Flex-N-Gate Corporation
- Moseley Technical Services, Inc
- Fca, Inc.
- Gtech Services, Inc
- Wilson, Jeff Chrysler Automobiles, Inc
- Kelly Services, Inc.

## INDUSTRY EXPERTISE

As Industrial Engineers and engineering managers are in high demand in many industries, postings for these occupations are made by Utilities, Mining, and Public Administration firms, but also by Manufacturing, Administrative and Support Services, Professional, Technical and Scientific Services, Retail, and Construction companies.

### TECHNICAL SKILLS

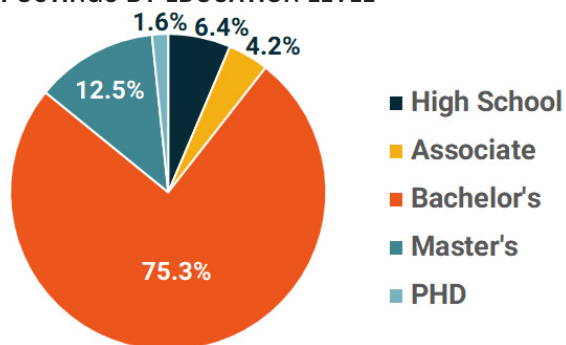
- Corrective And Preventive Action (CAPA)
- Tooling
- Manufacturing Processes
- Auditing
- New Product Development
- Production Part Approval
- Lean Manufacturing
- Continuous Improvement
- Mechanical Engineering
- Advanced Product Quality Planning

### SOFT SKILLS

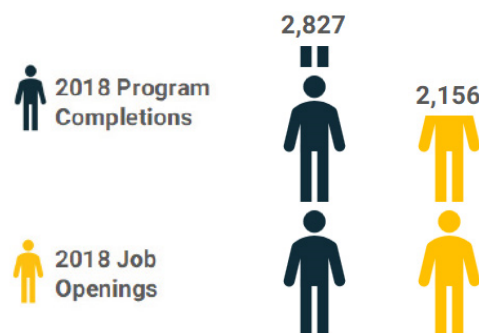
- Problem Solving
- Management
- Communications
- Leadership
- Operations
- Microsoft Office
- Presentations
- Microsoft Excel
- Interpersonal Skills
- Microsoft PowerPoint

## EDUCATION AND CREDENTIALS

POSTINGS BY EDUCATION LEVEL



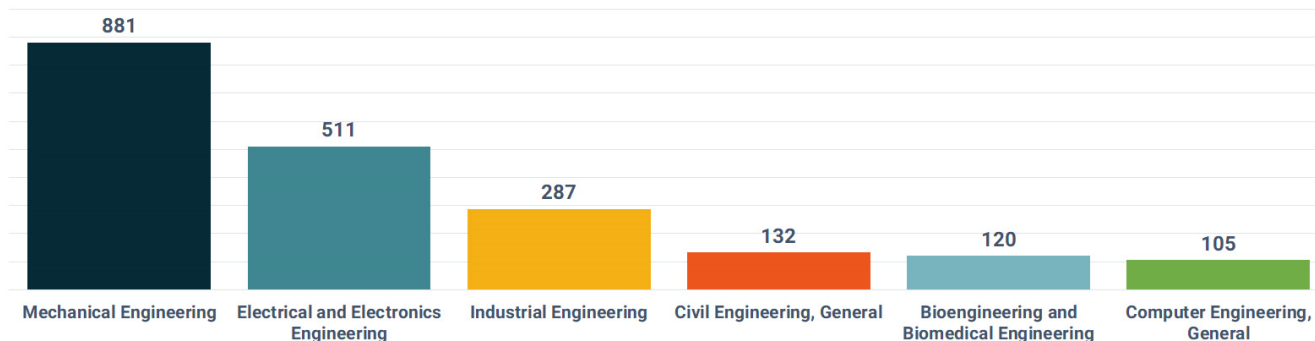
JOB OPENINGS VS COMPLETIONS



### TOP POSTED CERTIFICATIONS

- Six Sigma Green Belt Certification
- Six Sigma Black Belt Certification
- American Society For Quality (ASQ) Certified
- Certified Quality Engineer
- Project Management Professional Certification
- Professional Engineer
- Certified Welding Inspector
- Quality Certification
- Product Certification
- Certified Welding Engineer

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



Schools Offering Programs: Wayne State University • UM Dearborn • Lawrence Technological University