



OCCUPATION SUMMARY

This role involves applying engineering principles to improve industrial layouts and production under engineering staff guidance. Key tasks include conducting time and motion studies to enhance efficiency, testing products for quality, and ensuring adherence to specifications. Responsibilities also include evaluating data to maintain product reliability and verifying compliance with quality standards. Learn more at onetonline.org

JOB TITLES

The Industrial Engineering Technologists and Technicians occupation refers to the entire industry in which someone works. Some examples of specific job titles for this occupation include:

- Maintenance Technician
- Production Technician
- Machine Operator
- Manufacturing Technician
- Process Technician

Debt-free training and additional support may be available to jobseekers and those currently employed in this career

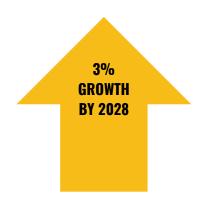
Contact your local *Michigan Works! Agency* to learn more michiganworks.org/michigan-works-network

AVERAGE WAGE IN MICHIGAN

	Entry	Median	Experienced
Hourly	\$19.54	\$29.13	\$40.43
Annually	\$40,643	\$60,590	\$84,094

OCCUPATIONAL GROWTH

Projected to grow faster than average (3%); 500 annual job openings are predicted.





INDUSTRIAL ENGINEERING TECHNOLOGISTS AND TECHNICIANS WORKFORCE INTELLIGENCE INTELLI



EARN WHILE YOU LEARN: REGISTERED APPRENTICESHIP

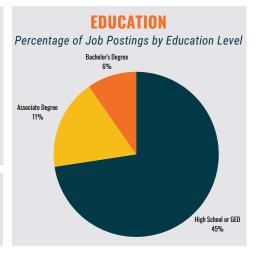
Employers or sponsors may provide apprenticeship opportunities, enabling individuals to acquire hands-on experience, engage in related instruction while receiving compensation. Completing a registered apprenticeship program can lead to career advancement and an average annual income of \$80,000. Learn more.

GROW A CAREER WITH ADVANCED DEGREES AND CERTIFICATES

PROFESSIONAL CERTIFICATIONS

- Automotive Service Excellence (ASE) Certification
- Forklift Certification
- · Airframe & Powerplant (A&P) Certification
- · Air Brake Certification

- American Welding Society Certification
- · Aerial Lift Certification
- Safety Professional Certification
- Scissor Lift Certification
- · Mechatronics Certification



PROFESSIONAL LEVEL COMPETENCIES (7+ YEARS EXPERIENCE) Employers value staff that stay relevant and gain new skills.

ADVANCED DEGREES AVAILABLE

(Associate, Bachelor's and Master's Degrees)

· Business Administration

A POTENTIAL PATH TO SUCCESS

Explore strategies for overcoming significant factors that can impact employment by clicking here. The following illustration outlines a potential career trajectory based on labor market insights within this occupation.

MID-LEVEL COMPETENCIES (3-6 YEARS EXPERIENCE)

Continue gaining skills to stay relevant in an ever-changing ecosystem.

ENTRY LEVEL COMPETENCIES (0-2 YEARS EXPERIENCE)

Current employees who obtain training may be offered a new position, additional responsibility, and/or additional benefits.

- Skills/knowledge in: Machinery
- Preventive
- Maintenance
- Machine Operation

Oualifications:

· Valid Driver's License

Skills/knowledge in:

- Hydraulics
- Programmable **Logic Controllers**
- Forklift Truck
- · Hand Tools

Oualifications:

Commercial Driver's License (CDL)

Skills/knowledge in:

- Automation
- Production Equipment
- Pneumatics
- Machining
- Tooling

Qualifications:

 American Welding Society Certification

Skills/knowledge in:

- Injection Molding
- Industrial Repair and Maintenance
- Housekeeping
- Blueprinting
- Welding
- Equipment Repair

Oualifications:

- Air Brake Certification
- Forklift Certification

Skills/knowledge in:

- Grinding Machine
- Predictive Maintenance
- Manufacturing **Processes**
- Mechanics
- Microsoft Suite

Oualifications:

- Pesticide **Applicator** License
- Automotive Service Excellence (ASE) Certification

Skills/knowledge in:

- Drill Press
- Pavement Markings
- Continuous **Improvement Process**
- Power Tool Operation
- Dial Indicators
- **Fabrication**
- Software **Systems**

Oualifications:

Secret Clearance

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