

MECHANICAL ENGINEERS

OCCUPATION OUTLOOK IN SOUTHEAST MICHIGAN, CY 2022

WHAT OPPORTUNITIES ARE AVAILABLE?

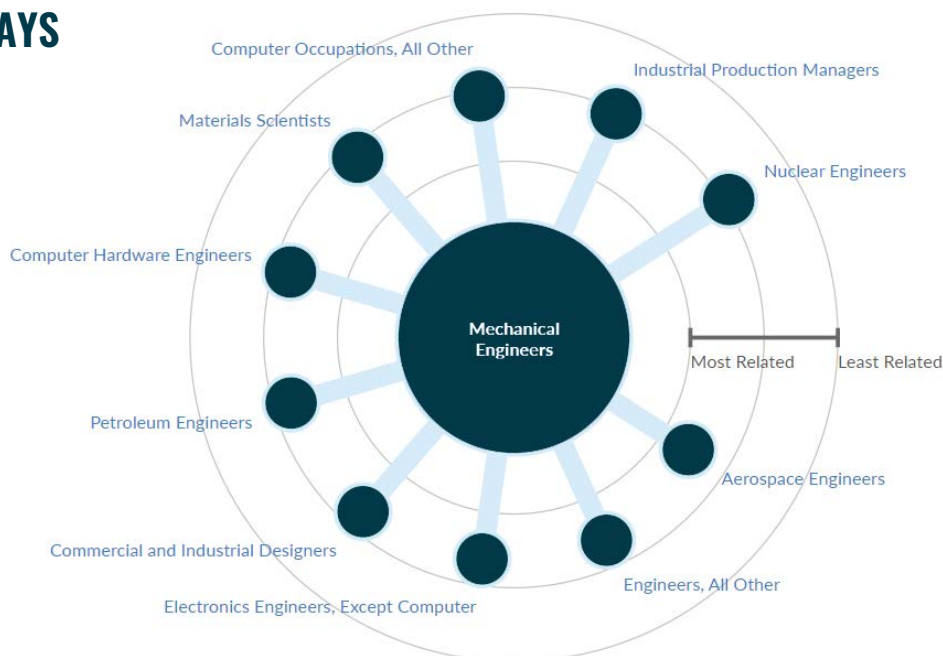
Mechanical engineers design, develop, build, and test mechanical and thermal sensors and devices. Specializations can vary from consistently high-demand electrical or mechanical engineering to growing fields such as environmental engineering, nanotechnology, or robotics and automation.

**25,351
WORKERS
EMPLOYED**

HOW MUCH COULD I EARN?

	ENTRY	MEDIAN	EXPERIENCED
Mechanical Engineers	\$29.46	\$46.67	\$61.37

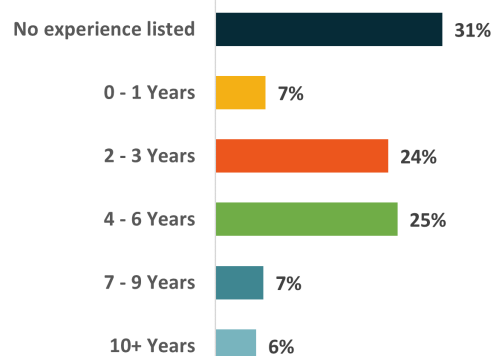
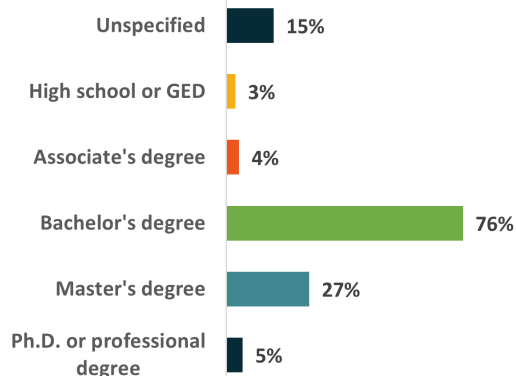
RELATED CAREER PATHWAYS



WHAT EDUCATION & SKILLS WILL I NEED?

Most of the mechanical engineer occupations analyzed here are reported to typically require a Bachelor's degree for entry at 76% of postings. A further 32% of postings required either a Master's degree or PhD. This is offset somewhat by lower demands for experience, with 31% of postings identifying three or fewer years of experience as a requirement.

EDUCATION AND EXPERIENCE IN JOB POSTINGS



**FOR TRAINING OPPORTUNITIES CONTACT YOUR LOCAL
COMMUNITY COLLEGE AND MICHIGAN WORKS! AGENCY**

WHAT TECHNICAL SKILLS SHOULD I DEVELOP?

- Mechanical Engineering
- Electrical Engineering
- New Product Development
- Computer-Aided Design
- Design Failure Mode And Effects Analysis
- Mechanical Design
- Systems Engineering
- SolidWorks (CAD)
- AutoCAD
- Computer Aided Three-Dimensional Interactive Application (CATIA)

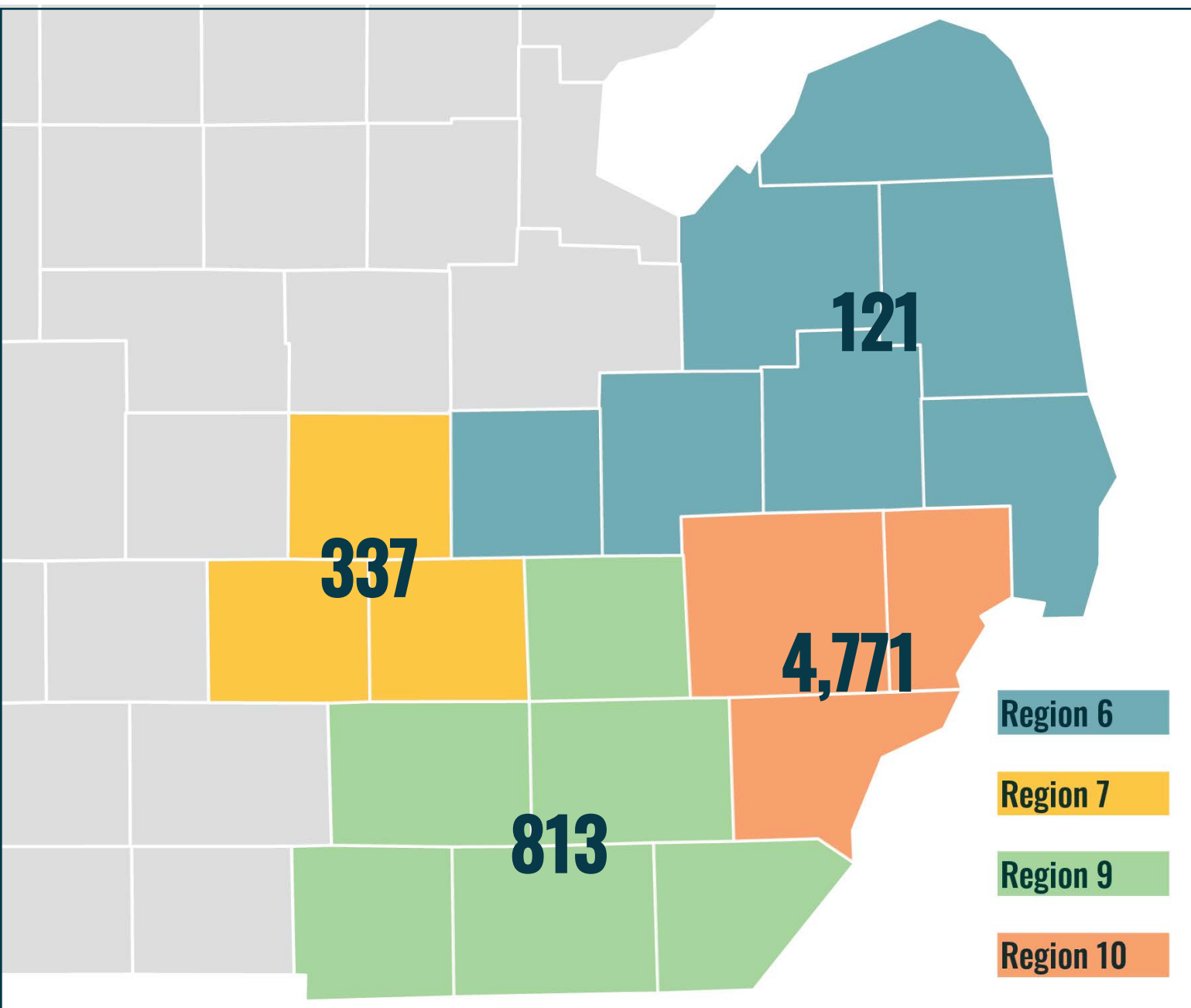
WHAT COMMON SKILLS DO EMPLOYERS LOOK FOR?

- Communications
- Problem Solving
- Management
- Leadership
- Writing
- Microsoft Office
- Planning
- Research
- Microsoft Excel
- Troubleshooting (Problem Solving)

WHAT QUALIFICATIONS SHOULD I PURSUE?

- Professional Engineer
- Licensed Professional Engineer
- LEED Accredited Professional (AP)
- Engineer in Training
- Security Clearance
- Project Management Professional Certification
- National Apprenticeship Certificate
- Six Sigma Black Belt Certification
- Six Sigma Green Belt Certification
- Secret Clearance

JOB POSTINGS BY PROSPERITY REGION



FOR TRAINING OPPORTUNITIES CONTACT YOUR LOCAL COMMUNITY COLLEGE AND MICHIGAN WORKS! AGENCY
*RELATED TECHNICAL INSTRUCTION PROVIDERS IN SOUTHEAST MICHIGAN ARE COLOR CODED TO MATCH THE PROSPERITY REGION

