



2016 Macomb/St. Clair Demand Occupations

| Management Occupations | Business & Financial Operations Occupations |
|---|---|
| <ul style="list-style-type: none"> ➤ Chief Executives ➤ General and Operations Managers ➤ Marketing Managers ➤ Sales Managers ➤ Computer & Information Systems Managers ➤ Financial Managers ➤ Industrial Production Managers ➤ Human Resource Managers ➤ Construction Managers ➤ Architectural and Engineering Managers ➤ Medical and Health Service Managers ➤ Property, Real Estate, & Community Association Managers ➤ Social and Community Service Managers | <ul style="list-style-type: none"> ➤ Purchasing Agents, except wholesale, retail & farm products ➤ Cost Estimators ➤ Human Resource Specialist ➤ Logisticians ➤ Management Analysts ➤ Training and Development Specialist ➤ Market Research Analysts and Marketing Specialist ➤ Accountants and Auditors ➤ Financial Analysts ➤ Personal Financial Advisors ➤ Loan Officers |
| Computer & Mathematical Occupations | Architecture & Engineering Occupations |
| <ul style="list-style-type: none"> ➤ Computer Systems Analysts ➤ Computer Programmers ➤ Software Developers, Applications ➤ Software Developers, Systems Software ➤ Web Developers ➤ Database Administrators ➤ Network & Computer Systems Administrators ➤ Computer User Support Specialists ➤ Computer network Support Specialist | <ul style="list-style-type: none"> ➤ Civil Engineers ➤ Electrical Engineers ➤ Industrial Engineers ➤ Mechanical Engineers ➤ Industrial Engineering Technicians ➤ Mechanical Engineering Technicians |
| Community & Social Service Occupations | Legal Occupations |
| <ul style="list-style-type: none"> ➤ Rehabilitation Counselors ➤ Child, Family, and School Social Workers ➤ Healthcare Social Workers ➤ Mental Health/Substance Abuse Social Workers ➤ Social and Health Service Assistant | <ul style="list-style-type: none"> ➤ Lawyers ➤ Paralegals and Legal Assistants |
| Education/Training/Library Occupations | Food Preparation & Service Related Occupations |
| <ul style="list-style-type: none"> ➤ Preschool Teachers, Except Special Education | <ul style="list-style-type: none"> ➤ First-Line Supervisors of Food Preparation and Service Workers ➤ Cooks, Restaurant* |
| Arts/Design/Entertainment/Sports/Media Occupations | Personal Care & Service Occupations |
| <ul style="list-style-type: none"> ➤ Commercial & Industrial Designers ➤ Graphic Designers | <ul style="list-style-type: none"> ➤ First-Line Supervisors of Personal Service Workers |
| Building/Grounds/Cleaning/Maintenance Occupations | Sales and Related Occupations |
| <ul style="list-style-type: none"> ➤ First-Line Supervisors of Housekeeping and Janitorial Workers | <ul style="list-style-type: none"> ➤ First-Line Supervisors of Retail Sales Workers ➤ Insurance Sales Agent ➤ Security/Commodity/Financial Services Sales Agents ➤ Sales Reps, Wholesale/Manuf. Technological/Scientific Products ➤ Sales Reps, Wholesale/Manuf., Except Technological/Scientific Products |
| Healthcare Support Occupations | Office and Administrative Support Occupations |
| <ul style="list-style-type: none"> ➤ Nursing Assistants* ➤ Physical Therapy Assistant ➤ Dental Assistants ➤ Medical Assistants | <ul style="list-style-type: none"> ➤ First-Line Supervisors of Office/Admin Support Workers ➤ Billing and Account Collectors ➤ Billing and Posting Clerks ➤ Bookkeeping / Accounting / Auditing Clerks ➤ Customer Service Representatives ➤ Dispatchers, Except Police, Fire and Ambulance ➤ Production, Planning, and Expediting Clerks ➤ Shipping, Receiving, and Traffic Clerks ➤ Medical Secretaries ➤ Secretaries & Administrative Assistants, except Legal, Medical & Executive ➤ Office Clerks, General |
| Protective Service Occupations | |
| <ul style="list-style-type: none"> ➤ Correctional Officers and Jailers | |

| Healthcare Practitioners/Technical Occupations | Construction & Extraction Occupations | | |
|---|--|--|------------------------|
| <ul style="list-style-type: none"> ➤ Dentists, General ➤ Pharmacists ➤ Family and General Practitioners ➤ Physicians Assistants ➤ Occupational Therapists ➤ Physical Therapists ➤ Registered Nurses ➤ Medical and Clinical Laboratory Technicians ➤ Dental Hygienists ➤ Radiologic Technologist ➤ Emergency Medical Technicians and Paramedics ➤ Pharmacy Technician ➤ Licensed Practical and Licensed Vocational Nurses ➤ Medical Records and Health Information Technicians | <ul style="list-style-type: none"> ➤ First-Line Supervisors of Construction Trades and Extraction Workers ➤ Carpenters ➤ Construction Laborers ➤ Operating Engineers and Other Construction Equipment Operators ➤ Electricians ➤ Plumbers, Pipefitters & Steamfitters ➤ Sheet Metal Workers ➤ Painters, Construction and Maintenance | | |
| | <th data-bbox="776 464 1546 527">Transportation & Material Moving Occupations</th> | Transportation & Material Moving Occupations | |
| <th data-bbox="77 709 776 783">Installation, Maintenance & Repair Occupations</th> | Installation, Maintenance & Repair Occupations | <th data-bbox="776 709 1546 783">Production Occupations</th> | Production Occupations |
| <ul style="list-style-type: none"> ➤ First Line Supervisors of Mechanics, Installer and Repairers ➤ Automotive Service Technicians/Mechanics ➤ Bus and Truck Mechanics and Diesel Engine Specialists ➤ Heating, Air Conditioning, & Refrigeration Mechanics & Installers ➤ Industrial Machinery Mechanics ➤ Millwrights ➤ Maintenance & Repair Workers, General | <ul style="list-style-type: none"> ➤ First-Line Supervisors of Production and Operating Workers ➤ Structural Metal Fabricators and Fitters ➤ Team Assemblers ➤ Computer-Controlled Machine Tool Operators Metal and Plastic ➤ Machinists ➤ Tool and Die Makers ➤ Welders, Cutters, Solderers, and Brazers ➤ Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders ➤ Inspectors, Testers, Sorters, Samplers and Weighers | | |

For further information about the above listed occupations, please see ONET at onetonline.org and/or Michigan Training Connect at mitalent.org/mitc

To be listed as a demand occupation, the occupation must meet the growth criteria in the economic forecast region of Detroit Metro Prosperity Region. The occupation must also meet the wage criteria.

Growth and wage criteria:

- Have at least 11% growth and 50 or more openings, or have positive change and at least 100 openings in the economic forecast region of Detroit Metro Prosperity Region.
- Have at least a median hourly wage of \$13.96/ hour [the state average annual earnings of an adult participant in PY 14; \$29,040 ÷ 2080 hours per year]

Growth and wage information comes from DTMB Regional 2022 Long-term Employment Projections, and 2015 Michigan Occupational Employment & Wages (OES), Available online at <http://www.milmi.org>

* The occupation was added to the list based on other local criteria.