

# Macomb/St. Clair Demand Occupation List

(Issued March 2020)

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Job Title	Education Level	Growth Percentage	Wage Range 25th Percentile	Wage Range 75th percentile

Management Occupations				
General and Operations Managers	B	11.1%	\$35.75	\$83.76
Marketing Managers	B	13.4%	\$49.09	\$80.28
Sales Managers	B	10.5%	\$50.49	\$81.38
Administrative Services Managers	B	12.0%	\$34.54	\$55.83
Computer and Information Systems Managers	B	14.9%	\$51.16	\$77.35
Financial Managers	B	23.0%	\$46.57	\$77.61
Industrial Production Managers	B	8.6%	\$44.62	\$69.87
Purchasing Managers	B	12.1%	\$46.89	\$74.86
Transportation, Storage, and Distribution Managers	HS	11.7%	\$40.67	\$60.68
Human Resources Managers	B	12.0%	\$41.81	\$70.45
Construction Managers	B	11.2%	\$36.37	\$60.59
Education Administrators, Elementary and Secondary School**	M	6.5%	\$83,230	\$118,150
Education Administrators, Postsecondary	M	7.9%	\$36.44	\$63.32
Architectural and Engineering Managers	B	13.7%	\$54.58	\$76.54
Food Service Managers	HS	10.4%	\$22.93	\$37.43
Medical and Health Services Managers	B	16.0%	\$35.00	\$63.09
Property, Real Estate, and Community Association Managers	HS	11.9%	\$19.95	\$41.47
Social and Community Service Managers	B	15.8%	\$27.89	\$41.91
Business and Financial Occupations				
Compliance Officers	B	8.0%	\$27.04	\$45.03
Cost Estimators	B	10.2%	\$22.36	\$42.54
Human Resources Specialists	B	10.4%	\$22.19	\$38.33
Logisticians	B	11.4%	\$32.51	\$50.50
Management Analysts	B	16.9%	\$31.21	\$55.15
Meeting, Convention, and Event Planners	B	9.1%	\$16.35	\$28.79
Compensation, Benefits, and Job Analysis Specialists	B	11.9%	\$24.97	\$37.83
Training and Development Specialists	B	14.7%	\$21.96	\$39.06
Market Research Analysts and Marketing Specialists	B	25.4%	\$23.95	\$45.79
Accountants and Auditors	B	12.7%	\$26.56	\$43.84
Appraisers and Assessors of Real Estate	B	17.2%	\$21.59	\$35.95
Budget Analysts	B	10.6%	\$31.16	\$45.99
Credit Analysts	B	16.8%	\$24.01	\$39.62
Financial Analysts	B	14.1%	\$32.12	\$48.59
Personal Financial Advisors	B	15.5%	\$26.28	\$56.23

Education Abbreviations							
High School Diploma/GED	HS	No Formal Credential	NC	Associates Degree	A	Master's Degree	M
Some College/No Degree	ND	Certification	Cert	Bachelor's Degree	B	Doctoral Degree	PHD

Credit Counselors	B	33.0%	\$20.59	\$25.25
Loan Officers	B	22.3%	\$23.94	\$45.73
Computer and Mathematical Occupations				
Computer Systems Analysts	B	11.7%	\$31.65	\$49.20
Information Security Analysts	B	39.4%	\$34.72	\$56.48
Software Developers, Applications	B	32.9%	\$34.74	\$54.24
Software Developers, Systems Software	B	15.9%	\$33.82	\$53.03
Web Developers	A	12.7%	\$26.55	\$43.59
Database Administrators	B	13.6%	\$33.18	\$54.19
Network and Computer Systems Administrators	B	7.8%	\$31.58	\$48.78
Computer Network Architects	B	7.9%	\$42.55	\$65.27
Computer User Support Specialists	ND	14.4%	\$17.09	\$29.66
Computer Network Support Specialists	A	13.3%	\$22.75	\$37.68
Operations Research Analysts	B	32.1%	\$33.02	\$53.46
Architecture and Engineering Occupations				
Architects, Except Landscape and Naval	B	10.0%	\$25.52	\$43.31
Surveyors	B	19.8%	\$21.29	\$33.94
Civil Engineers	B	18.7%	\$30.27	\$45.67
Electrical Engineers	B	17.8%	\$36.12	\$54.40
Electronics Engineers, Except Computer	B	10.6%	\$38.48	\$55.29
Environmental Engineers	B	15.2%	\$36.41	\$57.53
Industrial Engineers	B	25.7%	\$36.48	\$53.75
Materials Engineers	B	11.3%	\$32.24	\$48.36
Mechanical Engineers	B	20.1%	\$36.04	\$55.31
Architectural and Civil Drafters	A	16.2%	\$20.12	\$28.78
Mechanical Drafters	A	14.3%	\$21.84	\$36.72
Civil Engineering Technicians	A	18.9%	\$20.96	\$29.23
Electrical and Electronics Engineering Technicians	A	12.5%	\$22.61	\$35.51
Industrial Engineering Technicians	A	12.1%	\$21.28	\$34.02
Mechanical Engineering Technicians	A	15.2%	\$19.69	\$34.09
Life, Physical, and Social Science Occupations				
Chemists	B	14.5%	\$27.27	\$45.50
Environmental Scientists and Specialists, Including Health	B	15.2%	\$23.50	\$42.50
Clinical, Counseling, and School Psychologists	PhD	11.4%	\$28.82	\$49.17
Community and Social Service Occupations				
Substance Abuse and Behavioral Disorder Counselors	B	17.1%	\$17.27	\$27.46

Educational, Guidance, School, and Vocational Counselors	M	10.5%	\$19.73	\$35.82
Mental Health Counselors	M	18.2%	\$17.27	\$27.46
Child, Family, and School Social Workers	B	14.4%	\$19.95	\$28.34
Healthcare Social Workers	M	16.8%	\$22.44	\$32.75
Mental Health and Substance Abuse Social Workers	M	15.5%	\$18.80	\$29.58
Probation Officers and Correctional Treatment Specialists	B	11.7%	\$26.92	\$32.69
Social and Human Service Assistants*	HS	12.1%	\$11.79	\$18.12
Community Health Workers	HS	15.5%	\$18.06	\$27.91
Legal Occupations				
Lawyers	PhD	9.3%	31.49	70.02
Paralegals and Legal Assistants	A	17.2%	17.88	29.74
Education, Training, and Library Occupations				
Business Teachers, Postsecondary**	PhD	11.5%	\$60,500	\$133,770
Engineering Teachers, Postsecondary**	PhD	13.2%	\$68,170	\$136,720
Health Specialties Teachers, Postsecondary**	PhD	15.4%	\$68,780	\$149,660
Preschool Teachers, Except Special Education	A	7.1%	\$11.23	\$22.82
Elementary School Teachers, Except Special Education**	B	5.8%	\$50,110	\$90,350
Middle School Teachers, Except Special and Career/Technical Education**	B	5.9%	\$46,140	\$82,280
Secondary School Teachers, Except Special and Career/Technical Education**	B	6.1%	\$48,640	\$82,640
Self-Enrichment Education Teachers	HS	14.3%	\$10.97	\$21.97
Librarians	M	8.6%	\$19.63	\$28.62
Instructional Coordinators	M	5.9%	\$20.63	\$38.94
Arts, Design, Entertainment, Sports, and Media Occupations				
Commercial and Industrial Designers	B	12.2%	\$32.00	\$47.04
Graphic Designers	B	7.8%	\$17.21	\$28.89
Producers and Directors	B	15.4%	\$21.75	\$41.67
Public Relations Specialists	B	8.7%	\$20.34	\$35.89
Healthcare Practitioners and Technical Occupations				
Dietitians and Nutritionists	B	10.5%	\$21.24	\$29.71
Pharmacists	PhD	6.3%	\$53.45	\$67.23
Physician Assistants	M	28.3%	\$45.96	\$59.44
Occupational Therapists	M	17.7%	\$32.07	\$46.24
Physical Therapists	PhD	20.5%	\$37.25	\$49.81
Respiratory Therapists	A	23.5%	\$24.26	\$30.38

Speech-Language Pathologists	M	13.7%	\$31.99	\$46.31
Registered Nurses	B	12.6%	\$30.65	\$39.67
Nurse Practitioners	M	27.7%	\$44.49	\$58.43
<i>Medical and Clinical Laboratory Technologists and Technicians</i>			\$17.44	\$31.86
Medical and Clinical Laboratory Technologists	B	7.7%		
Medical and Clinical Laboratory Technicians	A	6.8%		
Dental Hygienists	A	6.9%	\$27.18	\$35.35
Diagnostic Medical Sonographers	A	17.0%	\$27.14	\$35.51
Radiologic Technologists	A	7.6%	\$23.11	\$32.52
Emergency Medical Technicians and Paramedics	Cert	9.0%	\$16.36	\$23.74
Pharmacy Technicians	HS	13.1%	\$12.76	\$19.26
Surgical Technologists	Cert	7.2%	\$16.99	\$24.33
Veterinary Technologists and Technicians	A	21.8%	\$15.59	\$19.41
Licensed Practical and Licensed Vocational Nurses	Cert	7.2%	\$22.24	\$28.60
Medical Records and Health Information Technicians	Cert	10.4%	\$14.43	\$24.41
Opticians, Dispensing	HS	8.5%	\$13.99	\$21.07
<b>Healthcare Support Occupations</b>				
Nursing Assistants*	Cert	9.3%	\$12.89	\$16.43
Occupational Therapy Assistants	A	18.4%	\$22.54	\$29.00
Physical Therapist Assistants	A	22.7%	\$20.39	\$29.85
Dental Assistants	Cert	6.8%	\$14.54	\$19.24
Medical Assistants	Cert	17.9%	\$13.61	\$18.10
Medical Equipment Preparers	HS	6.6%	\$15.51	\$19.55
<b>Protective Service Occupations</b>				
Firefighters	Cert	8.0%	\$19.61	\$29.21
Police and Sheriff's Patrol Officers	HS	8.4%	\$24.55	\$34.10
Transportation Security Screeners	HS	3.7%	\$19.80	\$21.53
<b>Food Preparation and Serving Related Occupations</b>				
Chefs and Head Cooks	HS	12.4%	\$20.26	\$31.18
First-Line Supervisors of Food Preparation and Serving Workers	HS	12.0%	\$12.55	\$20.25
<b>Building and Grounds Cleaning and Maintenance Occupations</b>				
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	HS	11.4%	\$18.08	\$27.97
<b>Personal Care and Service Occupations</b>				
Gaming Supervisors	HS	0.7%	\$20.87	\$31.72
First-Line Supervisors of Personal Service Workers	HS	13.7%	\$13.47	\$21.91
<b>Sales and Related Occupations</b>				
First-Line Supervisors of Retail Sales Workers	HS	5.9%	\$14.65	\$26.13
First-Line Supervisors of Non-Retail Sales Workers	HS	7.2%	\$29.35	\$49.36
Insurance Sales Agents	HS	12.0%	\$18.96	\$38.60
Securities, Commodities, and Financial Services Sales Agents	B	11.1%	\$16.88	\$38.94

Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	B	9.0%	\$28.74	\$55.28
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	HS	5.0%	\$22.74	\$49.22
Sales Engineers	B	6.2%	\$37.64	\$59.58
<b>Office and Administrative Support Occupations</b>				
First-Line Supervisors of Office and Administrative Support Workers	HS	4.6%	\$21.44	\$34.64
Billing and Posting Clerks	HS	12.5%	\$15.29	\$22.29
Payroll and Timekeeping Clerks	HS	0.4%	\$17.16	\$25.46
Court, Municipal, and License Clerks	HS	8.8%	\$15.59	\$23.87
Customer Service Representatives	HS	7.7%	\$12.89	\$21.16
Eligibility Interviewers, Government Programs	HS	11.6%	\$22.44	\$26.47
Interviewers, Except Eligibility and Loan	HS	6.3%	\$16.26	\$24.54
Loan Interviewers and Clerks	HS	21.9%	\$16.83	\$23.24
Cargo and Freight Agents	HS	11.4%	\$16.60	\$26.73
Postal Service Mail Carriers	HS	5.3%	\$18.49	\$30.05
Production, Planning, and Expediting Clerks	HS	7.8%	\$20.12	\$32.14
Shipping, Receiving, and Traffic Clerks	HS	3.6%	\$13.17	\$20.59
Medical Secretaries	HS	13.5%	\$14.68	\$19.15
Insurance Claims and Policy Processing Clerks	HS	14.4%	\$15.57	\$23.62
<b>Construction and Extraction Occupations</b>				
First-Line Supervisors of Construction Trades and Extraction Workers	HS	11.7%	\$26.43	\$44.05
Brickmasons and Blockmasons	HS	11.1%	\$21.33	\$31.53
Carpenters	HS	8.6%	\$18.73	\$32.94
Cement Masons and Concrete Finishers	NC	12.1%	\$18.17	\$29.72
Construction Laborers	NC	12.0%	\$15.14	\$24.92
Paving, Surfacing, and Tamping Equipment Operators	HS	11.0%	\$21.73	\$28.61
Operating Engineers and Other Construction Equipment Operators	HS	11.5%	\$23.09	\$30.66
Electricians	HS	8.9%	\$20.67	\$37.42
Glaziers	HS	11.6%	\$15.11	\$27.56
Painters, Construction and Maintenance	NC	5.5%	\$16.38	\$27.47
Plumbers, Pipefitters, and Steamfitters	HS	14.0%	\$26.88	\$37.73
Roofers	NC	10.9%	\$17.34	\$30.16
Sheet Metal Workers	HS	8.3%	\$17.61	\$33.66
Structural Iron and Steel Workers	HS	12.0%	\$24.44	\$31.29
Construction and Building Inspectors	HS	13.1%	\$19.09	\$32.92
Hazardous Materials Removal Workers	HS	15.4%	\$18.80	\$29.97
Highway Maintenance Workers	HS	8.3%	\$16.97	\$25.24
Septic Tank Servicers and Sewer Pipe Cleaners	HS	17.3%	\$16.04	\$25.95
<b>Installation, Maintenance, and Repair Occupations</b>				
First-Line Supervisors of Mechanics, Installers, and Repairers	HS	9.4%	\$24.69	\$43.62

Security and Fire Alarm Systems Installers	HS	14.6%	\$16.68	\$27.20
Aircraft Mechanics and Service Technicians	Cert	5.1%	\$24.86	\$42.21
Automotive Body and Related Repairers	HS	9.5%	\$15.56	\$32.47
Automotive Service Technicians and Mechanics	Cert	8.4%	\$12.51	\$28.50
Bus and Truck Mechanics and Diesel Engine Specialists	HS	14.0%	\$18.67	\$27.23
Mobile Heavy Equipment Mechanics, Except Engines	HS	8.1%	\$21.59	\$32.47
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	Cert	15.3%	\$16.25	\$29.03
Industrial Machinery Mechanics	HS	10.6%	\$19.94	\$31.66
Maintenance Workers, Machinery	HS	10.0%	\$18.34	\$25.66
Millwrights	HS	17.4%	\$31.93	\$37.17
Maintenance and Repair Workers, General	HS	10.3%	\$13.45	\$22.92
<b>Production Occupations</b>				
First-Line Supervisors of Production and Operating Workers	HS	7.1%	\$24.56	\$41.61
Computer-Controlled Machine Tool Operators, Metal and Plastic	HS	5.8%	\$14.72	\$24.01
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	Cert	18.3%	\$20.04	\$30.62
Machinists	HS	3.9%	\$15.56	\$26.41
Welders, Cutters, Solderers, and Brazers	HS	6.4%	\$16.22	\$24.02
Stationary Engineers and Boiler Operators	HS	14.5%	\$28.51	\$36.72
Gas Plant Operators	HS	11.4%	\$33.23	\$38.97
Chemical Equipment Operators and Tenders	HS	12.9%	\$19.15	\$33.03
Dental Laboratory Technicians	HS	34.5%	\$16.17	\$24.11
<b>Transportation and Material Moving Occupations</b>				
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	HS	10.9%		
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	HS	12.5%		
<i>First-Line Supervisors of Transportation and Material-Moving Workers Except Aircraft Cargo</i>			\$19.94	\$34.29
Bus Drivers, School or Special Client	HS	20.2%	\$14.39	\$18.59
Heavy and Tractor-Trailer Truck Drivers	Cert	12.0%	\$16.18	\$24.02
Light Truck or Delivery Service Drivers	HS	8.1%	\$11.35	\$22.99
Crane and Tower Operators	HS	16.0%	\$18.14	\$23.36
Machine Feeders and Offbearers	NC	11.8%	\$16.98	\$25.61
Refuse and Recyclable Material Collectors	NC	16.9%	\$18.68	\$24.65

#### Growth & Wage Criteria

Have at least 10% projected growth over the next 10 years 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 \$15.00 / hour [this wage is 20% over Macomb/St. Clair's median annual earnings goal for an adult participant in PY 18 [\$26,004 + 2080 hours per year x 20%].

#### Data source:

DTMB Regional 2016 to 2026 Long-Term Employment Projections, and 2018 Michigan Occupational Employment & Wages (OES) available on line at <http://www.milmi.org>.

For further information about the above listed occupations, please see O\*NET at [www.onetonline.org](http://www.onetonline.org) and/or Michigan Training Connect at [www.mitalent.org/mitc](http://www.mitalent.org/mitc)

\* means occupations were added to the list based on other local criteria.  
\*\* means only annual salary was available