

A Supply and Demand Analysis of 28 Middle-Skill Occupations within the Finger Lakes Region



Advanced Manufacturing

Program	Occupational Group Size	Hourly Wage	Annual Regional Completions	Estimated Annual Demand	Estimated Gap (Δ)	Unique Postings	Posting Intensity	10 Year Age Out
Aggregate Cluster - Advanced Manufacturing	42	\$22.32	275	2,107	-1,832	1,130	5.1	30.7%
Applied Integrated Technologies/Mechatronics	13	\$23.17	84	947	-863	300	5.2	31.7%
Electrical Engineering Technologies	10	\$26.31	43	233	-190	348	5.3	27.2%
Mechanical Engineering Technologies	10	\$25.89	36	596	-560	400	5.6	30.7%
Optical System Technologies	10	\$23.33	31	562	-531	270	6.3	32.2%
Tooling & Machining	20	\$19.54	174	914	-740	311	4.3	30.4%



Applied Technologies

Program	Occupational Group Size	Hourly Wage	Annual Regional Completions	Estimated Annual Demand	Estimated Gap (Δ)	Unique Postings	Posting Intensity	10 Year Age Out
Aggregate Cluster - Applied Technologies	41	\$22.19	514	2,762	-2,248	743	6.3	22.3%
Automotive Technologies	10	\$17.02	190	607	-417	318	6.2	19.1%
Construction Technologies	7	\$25.13	67	601	-534	56	3.8	19.0%
Heating, Ventilation, & Air Conditioning (HVAC)	23	\$23.92	109	1,404	-1,295	376	6.7	25.7%
HVAC: Solar Thermal Technology	3	\$19.89	39	174	-135	52	4.4	16.8%
HVAC: Technologists & Helpers	4	\$21.59	47	413	-366	84	6.5	17.4%
Welding	3	\$15.92	89	169	-80	52	3.3	20.9%

All data is based on the 9 county region: Genesee, Livingston, Monroe, Ontario, Orleans, Seneca, Wayne, Wyoming, and Yates. Aggregate clusters represent unduplicated data for all occupations within that workforce cluster. Occupational Group Size is counted at the 6-digit SOC level. Hourly wage is at the 50th percentile. Completions data is sourced from the Integrated Postsecondary Educational Data System (IPEDS), all other data is sourced from 2018 Q4 Emsi Occupational Data. July 2016-June 2017 completions data for associates degrees, awards of at least 1 but less than 2 academic years, awards of less than 1 academic year, and non-credit awards of 1 academic year or less were sourced. Unique Postings and Posting Intensity are for December 2018. The regional average for posting intensity is 4.5:1. 10 Year Age Out is the percentage of individuals 55 years of age or older in that occupational group. A total of 102 individual occupations are captured in this report. More information is available at www.mcclmi.com.



Health Care

Program	Occupational Group Size	Hourly Wage	Annual Regional Completions	Estimated Annual Demand	Estimated Gap (Δ)	Unique Postings	Posting Intensity	10 Year Age Out
Aggregate Cluster - Healthcare	15	\$21.13	1,547	5,421	-3,874	3,659	5.2	23.9%
Certified Nursing Assistants	1	\$13.60	501	760	-259	253	4.3	19.1%
Clinical & Medical Laboratory Technology	3	\$21.79	25	207	-182	14	5.7	25.5%
Dental Assisting	2	\$19.75	81	148	-67	47	3.6	19.2%
Dental Hygiene	1	\$29.33	29	55	-26	18	2.5	28.0%
Entry-Level Healthcare Support	4	\$12.92	196	2,853	-2,657	515	4.0	22.6%
Licensed Practical & Vocational Nurses	1	\$19.78	318	270	48	466	5.9	25.4%
Radiological Technology	2	\$30.85	34	59	-25	149	4.2	19.2%
Registered Nurse	1	\$30.68	355	773	-418	2,371	5.2	26.2%
Surgical Technology	1	\$18.84	18	32	-14	76	9.4	13.5%



Information & Computer Technology

Program	Occupational Group Size	Hourly Wage	Annual Regional Completions	Estimated Annual Demand	Estimated Gap (Δ)	Unique Postings	Posting Intensity	10 Year Age Out
Aggregate Cluster - Information & Computer Technologies	15	\$33.26	264	1,358	-1,094	3,256	5.4	17.6%
Computer Information Systems	7	\$36.85	172	442	-270	1,215	4.9	17.6%
Computer Science	9	\$35.09	81	779	-698	2,516	5.3	17.4%
Computer Systems Technology	7	\$26.75	235	600	-365	1,050	5.3	17.9%
Information Technology	3	\$30.53	151	158	-7	369	4.9	16.0%

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