Advanced Manufacturing Workforce Cluster

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015-2016)	Completions (2016-2017)	Completions (2017-2018)
15.0403	Electromechanical Technology/Electromechanical Engineering Technology	Mechatronic Technology	Finger Lakes Community College	Non-credit award of less than 1 academic year	11	11	5
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Tech	Finger Lakes Community College	Associates degree	4	4	3
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Tech	Finger Lakes Community College	Non-credit award of less than 1 academic year	0	0	3
48.0501	Machine Tool Technology/Machinist	GW Lisk/Goulds	Finger Lakes Community College	Non-credit award of less than 1 academic year	21	21	16
15.1201	Computer Engineering Technology/Technician	(Unknown)	Genesee Community College	Associates degree	0	5	10
15.1202	Computer Technology/Computer Systems Technology	Computer Repair	Genesee Community College	Award of at least 1 but less than 2 academic years	2	5	4
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	Computerized Drafting & Design	Genesee Community College	Associates degree	6	3	12
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	Computerized Drafting & Design	Genesee Community College	Award of at least 1 but less than 2 academic years	0	0	1
48.0501	Machine Tool Technology/Machinist	Metal Trades (Precision Machining and Welding)	Genesee Valley Educational Partnership (GV BOCES)	Award of less than 1 academic year	63	48	52
48.0503	Machine Shop Technology/Assistant*	Precision Machining	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	6	5	8
48.0501	Machine Tool Technology/Machinist*	EMFA, with Mechining Technical Assesment	Monroe 2-Orleans BOCES	Award of less than 1 academic year	20	7	Unknown
48.0501	Machine Tool Technology/Machinist	Machining with CN Fundamentals	Monroe 2-Orleans BOCES - Center for Workforce Development	Non-credit award of less than 1 academic year	42	5	Unknown
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Technology	Monroe Community College	Associates degree	12	15	7
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electronics Technology	Monroe Community College	Award of at least 1 but less than 2 academic years	2	1	3
15.0304	Laser and Optical Technology/Technician	Optical Systems Tech	Monroe Community College	Associates degree	0	8	17
15.0304	Laser and Optical Technology/Technician	Optical Systems Tech	Monroe Community College	Award of at least 1 but less than 2 academic years	4	0	0
15.0505	Solar Energy Technology/Technician	Solar Thermal Tech	Monroe Community College	Award of at least 1 but less than 2 academic years	5	3	4
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Tech	Monroe Community College	Associates degree	13	17	18
15.1201	Computer Engineering Technology/Technician	Computer Systems Tech	Monroe Community College	Associates degree	8	6	6
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	Computer-Aided Design & Drafting	Monroe Community College	Award of at least 1 but less than 2 academic years	6	3	8
48.0503	Machine Shop Technology/Assistant	Apprentice Training - Machine Trades	Monroe Community College	Associates degree	0	4	1
48.0507	Tool and Die Technology/Technician	Precision Machining	Monroe Community College	Associates degree	26	16	20
48.0507	Tool and Die Technology/Technician	Precision Tooling	Monroe Community College	Award of at least 1 but less than 2 academic years	29	23	27
15.0406	Automation Engineer Technology/Technician	(Unknown)	Rochester Institute of Technology	Associates degree	0	0	0
15.0805	Mechanical Engineering/Mechanical Technology/Technician	(Unknown)	Rochester Institute of Technology	Associates degree	2	4	1
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	(Unknown)	Rochester Institute of Technology	Associates degree	8	5	11
48.0510	Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist	(Unknown)	Rochester Institute of Technology	Associates degree	9	11	14
48.0501	Machine Tool Technology/Machinist*	Students from AME who took the Machining Technical Assessment	Wayne Finger Lakes BOCES	Award of less than 1 academic year	11	11	Unknown
48.0599	Precision Metal Working, Other*	Advanced Manufacturing and Engineering Academy (AME)	Wayne Finger Lakes BOCES	Award of less than 1 academic year	16	34	Unknown
Total					**326**	**275**	**251**

Applied Technologies Workforce Cluster

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015-2016)	Completions (2016-2017)	Completions (2017-2018)
15.0101	Architectural Engineering Technology/Technician	Architectural Tech & Building Services	Finger Lakes Community College	Associates degree	3	3	5
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Finger Lakes Community College	Associates degree	2	4	3
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Finger Lakes Community College	Award of less than 1 academic year	0	0	5
15.1201	Computer Engineering Technology/Technician	Computer Engineering Technology/Technician	Genesee Community College	Associates degree	11	5	10
46.9990	Construction Trades, Other*	Building Trades	Genesee Valley Educational Partnership (GV BOCES)	Award of less than 1 academic year	62	54	58
47.0603	Autobody/Collision and Repair Technology/Technician*	Auto Trades: Collision, Custom and Restoration	Genesee Valley Educational Partnership (GV BOCES)	Award of less than 1 academic year	9	20	15
47.0604	Automobile/Automotive Mechanics and Repair Technology/Technician*	Auto Trades: Auto Technology	Genesee Valley Educational Partnership (GV BOCES)	Award of less than 1 academic year	42	35	42
48.0501	Machine Tool Technology/Machinist*	Metal Trades (Precision Machining and Welding)	Genesee Valley Educational Partnership (GV BOCES)	Award of less than 1 academic year	63	48	52
47.0603	Autobody/Collision and Repair Technology/Technician*	Collision Repair Technology	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	7	7	6
47.0604	Automobile/Automotive Mechanics Technology/Technician*	Auto Services	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	11	16	12
48.0508	Welding Technology/Welder*	Welding and Fabrication	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	11	8	13
15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician*	HVAC	Monroe 2-Orleans BOCES	Award of less than 1 academic year	25	8	19
47.0603	Autobody/Collision and Repair Technology/Technician*	Auto Body and Collision Repair Technology	Monroe 2-Orleans BOCES	Award of less than 1 academic year	9	7	Unknown
47.0604	Automobile/Automotive Mechanics and Repair Technology/Technician*	Automotive Technology	Monroe 2-Orleans BOCES	Award of less than 1 academic year	22	17	Unknown
48.0508	Welding Technology/Welder*	EMFA,with Welding Technical Assessment	Monroe 2-Orleans BOCES	Award of less than 1 academic year	26	14	Unknown
15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician	HVAC	Monroe 2-Orleans BOCES - Center for Workforce	Non-credit award of less than 1 academic year	---	21	Unknown
46.0401	Building/Property Maintenance	Building Maintenance	Monroe 2-Orleans BOCES - Center for Workforce	Award of less than 1 academic year	4	5	Unknown
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electronics Technology	Monroe Community College	Award of at least 1 but less than 2 academic years	2	1	3
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Tech	Monroe Community College	Associates degree	12	15	7
15.0505	Solar Energy Technology/Technician	Solar Thermal Tech	Monroe Community College	Award of at least 1 but less than 2 academic years	2	3	4
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Tech	Monroe Community College	Associates degree	13	17	18
15.1001	Construction Engineering Technology/Technician	Construction Technology	Monroe Community College	Associates degree	15	13	12
15.1201	Computer Engineering Technology/Technician	Computer Systems Tech	Monroe Community College	Associates degree	13	6	6
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	Heating, Ventilation, & AC Tech	Monroe Community College	Associates degree	23	19	24
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	Heating, Ventilation, & AC Tech	Monroe Community College	Award of at least 1 but less than 2 academic years	3	9	13
47.0604	Automobile/Automotive Mechanics Technology/Technician	Automotive Tech	Monroe Community College	Award of at least 1 but less than 2 academic years	24	2	1
47.0604	Automobile/Automotive Mechanics Technology/Technician	Automotive Technology	Monroe Community College	Associates degree	0	24	30
		Welding and Fabrication	Monroe Community College	Non-credit award of less than 1 academic year	59	58	61
15.0406	Automation Engineer Technology/Technician	(Unknown)	Rochester Institute of Technology	Associates degree	0	0	0
15.0805	Mechanical Engineering/Mechanical Technology/Technician	(Unknown)	Rochester Institute of Technology	Associates degree	2	4	1
15.1304	Civil Drafting and Civil Engineering CAD/CADD	(Unknown)	Rochester Institute of Technology	Award of less than 1 academic year	0	0	2
47.0603	Autobody/Collision and Repair Technology/Technician*	Auto Body and Collision Repair Technology	Wayne Finger Lakes BOCES	Award of less than 1 academic year	19	22	Unknown
47.0604	Automobile/Automotive Mechanics and Repair Technology/Technician*	Automotive Technology	Wayne Finger Lakes BOCES	Award of less than 1 academic year	37	30	Unknown
47.0606	Small Engine Mechanics and Repair Technology/Technician*	Power Mechanics-WTCC	Wayne Finger Lakes BOCES	Award of less than 1 academic year	6	10	Unknown
48.0508	Welding Technology/Welder*	students from AME who took the Welding Technical Assessment	Wayne Finger Lakes BOCES	Award of less than 1 academic year	9	9	Unknown
Total					**546**	**514**	**422**

Healthcare Workforce Cluster

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015-2016)	Completions (2016-2017)	Completions (2017-2018)
51.0000	Health Services/Allied Health/Health Sciences, General	#N/A	Finger Lakes Community College	Associate's degree	0	0	7
51.2601	Health Aide	Home Health Aide	Finger Lakes Community College	Non-credit award of less than 1 academic year	35	38	25
51.3801	Registered Nursing/Registered Nurse	Nursing	Finger Lakes Community College	Associates degree	76	76	62
51.3902	Nursing Assistant/Aide and Patient Care Assistant/Aide	Certified Nursing Assistant	Finger Lakes Community College	Non-credit award of less than 1 academic year	296	295	233
51.0909	Surgical Technology/Technologist	Surgical Technology	Finger Lakes Health College of Nursing	Associates degree	4	6	8
51.3801	Registered Nursing/Registered Nurse	Nursing	Finger Lakes Health College of Nursing	Associates degree	68	49	46
51.3801	Registered Nursing/Registered Nurse	Nursing	Genesee Community College	Associates degree	109	128	122
51.9999	Health Professions and Related Clinical Sciences, Other	New Vision Medical Careers	Genesee Community College	Award of at least 1 but less than 2 academic years	0	0	12
51.3901	Licensed Practical/Vocational Nurse Training	Licensed Practical Nurse	Genesee Valley BOCES-Practical Nursing Program	Award of at least 1 but less than 2 academic years	68	99	42
51.1614	Nurse/Nursing Assistant/Aide and Patient Care Assistant	Health Dimensions	Genesee Valley Educational Partnership (GV BOCES)	Award of less than 1 academic year	34	33	34
51.3901	Licensed Practical/Vocational Nurse Training	Licensed Practical Nurse	Isabella Graham Hart School of Practical Nursing	Award of at least 1 but less than 2 academic years	54	63	69
51.3901	Licensed Practical/Vocational Nurse Training	Licensed Practical Nurse	Marion S Whelan School of Nursing of Geneva General Hospital	Award of at least 1 but less than 2 academic years	25	20	15
51.1004	Clinical/Medical Laboratory Technician*	Biomedical Laboratory Technology	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	7	7	9
51.1699	Nursing, Other*	Professional Health Careers	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	16	14	19
51.9999	Health Professions and Related Clinical Services, Other*	New Vision Medical Careers	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	32	33	32
51.0601	Dental Assisting/Assistant*	Dental Assisting	Monroe 2-Orleans BOCES	Award of less than 1 academic year	52	6	30
51.1004	Clinical/Medical Laboratory Technician*	Laboratory Technology	Monroe 2-Orleans BOCES	Award of less than 1 academic year	9	6	Unknown
51.3902	Nursing Assistant/Aide and Patient Care Assistant/Aide*	Certified Nursing Assistant	Monroe 2-Orleans BOCES	Award of less than 1 academic year	34	22	8
51.0601	Dental Assisting/Assistant	Dental Assisting	Monroe 2-Orleans BOCES - Center for Workforce Development	Non-credit award of less than 1 academic year	---	40	Unknown
51.1009	Phlebotomy	Phlebotomy	Monroe 2-Orleans BOCES - Center for Workforce Development	Award of less than 1 academic year	60	66	31
51.1614	Nurse/Nursing Assistant/Aide and Patient Care Assistant	Nurse Assistant	Monroe 2-Orleans BOCES - Center for Workforce Development	Non-credit award of less than 1 academic year	---	15	8
51.0601	Dental Assisting/Assistant	Dental Assisting	Monroe Community College	Award of at least 1 but less than 2 academic years	22	35	36
51.0602	Dental Hygiene/Hygienist	Dental Hygiene	Monroe Community College	Associates degree	31	29	26
51.0907	Medical Radiologic Technology/Science - Radiation Therapist	Radiologic Technology	Monroe Community College	Associates degree	26	24	32
51.0909	Surgical Technology/Technologist	Surgical Technology	Monroe Community College	Associates degree	0	12	16
51.1004	Clinical/Medical Laboratory Technician	Clinical/Medical Laboratory Technician	Monroe Community College	Associates degree	17	12	9
51.3801	Registered Nursing/Registered Nurse	Nursing	Monroe Community College	Associates degree	121	102	101
		The Medical Interpreter	Monroe Community College	Non-credit award of less than 1 academic year	0	0	108
51.9999	Health Professions and Related Clinical Sciences, Other	Other	Monroe Community College	Associate's degree	0	0	32
51.2602	Home Health Aide/Home Attendant	Home Health Aide	Rochester Educational Opportunity Center (REOC) Brockport	Non-credit award of less than 1 academic year	83	30	36
51.3901	Licensed Practical/Vocational Nurse Training	Licensed Practical Nurse	Rochester Educational Opportunity Center (REOC) Brockport	Non-credit award of less than 1 academic year	28	19	42
51.3902	Nursing Assistant/Aide and Patient Care Assistant/Aide	Nursing Assistant	Rochester Educational Opportunity Center (REOC) Brockport	Non-credit award of less than 1 academic year	120	116	126
51.1005	Clinical Laboratory Science/Medical Technology/Technologist	(Unknown)	University of Rochester	Award of less than 1 academic year	0	0	11
51.1614	Nurse/Nursing Assistant/Aide and Patient Care Assistant*	Health Professions/Health Dimensions	Wayne Finger Lakes BOCES	Award of less than 1 academic year	33	35	Unknown
51.3901	Licensed Practical/Vocational Nurse Training	Licensed Practical Nurse	Wayne Finger Lakes BOCES-Practical Nursing Program	Award of at least 1 but less than 2 academic years	123	117	87
Total					**1583**	**1547**	**1474**

Information & Computer Technology Workforce Cluster

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015-2016)	Completions (2016-2017)	Completions (2017-2018)
11.1002	System, Networking, and LAN/WAN Management/Manager	(Unknown)	Bryant & Stratton College-Greece	Associates degree	7	8	5
11.1002	System, Networking, and LAN/WAN Management/Manager	(Unknown)	Bryant & Stratton College-Greece	Award of at least 1 but less than 2 academic years	0	0	1
11.1003	Computer and Information Systems Security/Information Assurance	(Unknown)	Bryant & Stratton College-Greece	Associates degree	0	0	0
11.1002	System, Networking, and LAN/WAN Management/Manager	(Unknown)	Bryant & Stratton College-Henrietta	Associates degree	5	0	2
11.1002	System, Networking, and LAN/WAN Management/Manager	(Unknown)	Bryant & Stratton College-Henrietta	Award of at least 1 but less than 2 academic years	0	0	3
11.1003	Computer and Information Systems Security/Information Assurance	(Unknown)	Bryant & Stratton College-Henrietta	Associates degree	0	1	0
11.0101	Computer and Information Sciences, General	Computer Science	Finger Lakes Community College	Associates degree	9	9	8
11.0103	Information Technology	Information Technology	Finger Lakes Community College	Associates degree	10	10	6
11.0401	Information Science/Studies	Information Systems	Finger Lakes Community College	Associates degree	2	2	1
11.0401	Information Science/Studies	Computer Support & Operations	Genesee Community College	Associates degree	5	9	11
11.0801	Web Page, Digital/Multimedia and Information Resources Design	Web Design	Genesee Community College	Associates degree	0	1	2
11.1004	Web/Multimedia Management and Webmaster	Web Design	Genesee Community College	Award of at least 1 but less than 2 academic years	0	1	0
15.1201	Computer Engineering Technology/Technician	Computer Systems & Network Technologies	Genesee Community College	Associates degree	11	5	10
15.1202	Computer Technology/Computer Systems Technology	Computer Repair	Genesee Community College	Award of at least 1 but less than 2 academic years	2	5	4
11.9999	Computer and Information Sciences and Support Services, Other*	Computer Information Services	Genesee Valley Educational Partnership (GV BOCES)	Award of less than 1 academic year	25	21	26
11.1002	System, Networking & LAN/WAN Mgmt/Manager*	CISCO Networking Academy	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	12	13	10
47.0104	Computer Installation and Repair Technology/Technician*	PC Repair and Network Cabling	Monroe 1 BOCES (EMCC)	Award of less than 1 academic year	14	11	13
11.1099	Computer/Information Technology Services Administration and Management, Other*	Computer Technology	Monroe 2-Orleans BOCES	Award of less than 1 academic year	11	15	Unknown
15.1204	Computer Support Specialist	Enterprise Computer Support Specialist	Monroe 2-Orleans BOCES - Center for Workforce Development	Award of less than 1 academic year	8	12	Unknown
15.1204	Computer Support Specialist	Computer Support Specialist	Monroe 2-Orleans BOCES - Center for Workforce Development	Award of less than 1 academic year	5	5	Unknown
11.0103	Information Technology	Information Technology	Monroe Community College	Associates degree	16	8	23
11.0201	Computer Programming/Programmer, General	Computer Info Systems	Monroe Community College	Associates degree	0	0	0
11.0401	Information Science/Studies	Computer Info Systems	Monroe Community College	Associates degree	15	10	10
11.0701	Computer Science	Computer Science	Monroe Community College	Associates degree	14	23	21
11.1003	Computer and Information Systems Security/Information Assurance	Cybersecurity	Monroe Community College	Award of at least 1 but less than 2 academic years	1	11	10
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Tech	Monroe Community College	Associates degree	2	15	7
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electronics Technology	Monroe Community College	Award of at least 1 but less than 2 academic years	12	1	3
15.1201	Computer Engineering Technology/Technician	Computer Systems Tech	Monroe Community College	Associates degree	8	6	6
11.0101	Computer and Information Sciences, General	(Unknown)	Rochester Institute of Technology	Associates degree	14	19	14
11.0901	Computer Systems Networking & Telecommunications*	Network Technician-WTCC	Wayne Finger Lakes BOCES	Award of less than 1 academic year	9	10	Unknown
11.9999	Computer and Information Sciences and Support Services, Other*	Computer Programming and Video Game Design-WTCC	Wayne Finger Lakes BOCES	Award of less than 1 academic year	21	12	Unknown
47.0101	Electrical/Electronics Equipment Installation and Repair, General*	Computer Technology, Computer Programming and Video Game Design	Wayne Finger Lakes BOCES	Award of less than 1 academic year	13	21	Unknown
Total					**251**	**264**	**196**

* - Includes high school-level completers.