Advanced Manufacturing Workforce Cluster

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015 - 2016)	Completions (2016 - 2017)	Completions (2017 - 2018)
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Bryant & Stratton College-Amherst	Associates degree	XXX	XXX	XXX
15.0101	Architectural Engineering Technology/Technician	Architectural Technology	Erie Community College	Associates degree	8	13	6
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Technology	Erie Community College	Associates degree	15	9	15
15.0503	Energy Management and Systems Technology/Technician	Electrical Engineering Technology	Erie Community College	Award of at least 1 but less than 2 academic years	0	-	-
15.0612	Industrial Technology/Technician	Solar Thermal Technology	Erie Community College	Associates degree	16	27	17
15.0699	Industrial Production Technologies/Technicians, Other	Industrial Technology	Erie Community College	Associates degree	0	-	-
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Engineering Technology	Erie Community College	Associates degree	8	12	13
15.1202	Computer Technology/Computer Systems Technology	Computer Repair Technology	Erie Community College	Associates degree	3	10	15
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD	(Unknown)	Erie Community College	Associates degree	XXX	XXX	XXX
46.0401	Building/Property Maintenance	Building Management & Maintenance	Erie Community College	Associates degree	15	22	10
47.0101	Electrical/Electronics Equipment Installation and Repair, General	(Unknown)	Erie Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
47.0499	Precision Systems Maintenance and Repair Technologies, Other	CNC Precision Machining	Erie Community College	Award of at least 1 but less than 2 academic years	33	38	27
48.0503	Machine Shop Technology/Assistant	(Unknown)	Erie Community College	Associates degree	XXX	XXX	XXX
48.0507	Tool and Die Technology/Technician	(Unknown)	Erie Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	Hilbert College	Associates degree	XXX	XXX	XXX
15.0000	Engineering Technology, General	(Unknown)	ITT Technical Institute-Getzville	Associates degree	Closed	Closed	Closed
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	ITT Technical Institute-Getzville	Associates degree	Closed	Closed	Closed
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
15.0612	Industrial Technology/Technician	Industrial Equipment Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	2	3	6
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Jamestown Community College	Associates degree	0	8	7
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	0	0	0
15.1201	Computer Engineering Technology/Technician	Digital/Computer Technology	Jamestown Community College	Associates degree	6	0	0
15.1202	Computer Technology/Computer Systems Technology	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
48.0503	Machine Shop Technology/Assistant	Machine Tool Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	0	3	4
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YORK INC	Award of less than 1 academic year	-	-	-
48.0501	Machine Tool Technology/Machinist	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YORK INC	Award of less than 1 academic year	-	-	-
48.0503	Machine Shop Technology/Assistant	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YORK INC	Award of less than 1 academic year	-	-	-
48.0599	Precision Metal Working, Other	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YORK INC	Award of less than 1 academic year	-	-	-
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	Niagara County Community College	Associates degree	0	0	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Niagara County Community College	Associates degree	0	0	0
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology: Mechanical Design	Niagara County Community College	Associates degree	4	5	2
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD	(Unknown)	Niagara County Community College	Associates degree	0	0	0
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	SUNY College of Technology at Alfred	Associates degree	0	XXX	XXX
15.0101	Architectural Engineering Technology/Technician	Architectural Technology	SUNY College of Technology at Alfred	Associates degree	5	17	12
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	9	10	10
15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Associates degree	0	0	0
15.0403	Electromechanical Technology/Electromechanical Engineering Technology	Electromechanical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	4	24	4
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Associates degree	XXX	XXX	XXX
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Award of less than 1 academic year	XXX	XXX	XXX
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	16	24	11
15.1201	Computer Engineering Technology/Technician	Computer Engineering Technology	SUNY College of Technology at Alfred	Associates degree	3	2	1
46.0301	Electrical and Power Transmission Installation/Installer, General	Electrical Construction & Maintenance Electrician	SUNY College of Technology at Alfred	Associates degree	47	42	61
46.0302	Electrician	(Unknown)	SUNY College of Technology at Alfred	Associates degree	XXX	XXX	XXX
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Associates degree	34	33	35
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	0	0	0
48.0503	Machine Shop Technology/Assistant	Machine Tool Technology	SUNY College of Technology at Alfred	Associates degree	16	12	18
48.0503	Machine Shop Technology/Assistant	Machine Tool Ii	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	16	0	0
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	University at Buffalo	Award of at least 1 but less than 2 academic years	0	0	0
15.9999	Engineering Technologies and Engineering-Related Fields, Other	(Unknown)	University at Buffalo	Associates degree	0	0	0
11.0201	Computer Programming/Programmer, General	(Unknown)	Villa Maria College	Associates degree	XXX	XXX	XXX
Total					**260**	**314**	**274**

Closed - Institution is closed

XXX - no longer offered/not in IPEDS system

Electrical Engineering Technology-Related Programs by Institution

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015 - 2016)	Completions (2016 - 2017)	Completions (2017 - 2018)
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Bryant & Stratton College-Amherst	Associates degree	XXX	XXX	XXX
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Technology	Erie Community College	Associates degree	15	9	15
15.1202	Computer Technology/Computer Systems Technology	Computer Repair Technology	Erie Community College	Associates degree	3	10	15
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	Hilbert College	Associates degree	XXX	XXX	XXX
15.0000	Engineering Technology, General	(Unknown)	ITT Technical Institute-Getzville	Associates degree	Closed	Closed	Closed
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	ITT Technical Institute-Getzville	Associates degree	Closed	Closed	Closed
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
15.1201	Computer Engineering Technology/Technician	Digital/Computer Technology	Jamestown Community College	Associates degree	6	0	0
15.1202	Computer Technology/Computer Systems Technology	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YO	Award of less than 1 academic year	-	-	-
48.0501	Machine Tool Technology/Machinist	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YO	Award of less than 1 academic year	-	-	-
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	Niagara County Community College	Associates degree	0	0	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Niagara County Community College	Associates degree	0	0	0
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	SUNY College of Technology at Alfred	Associates degree	0	XXX	XXX
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	9	10	10
15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Associates degree	0	0	0
15.1201	Computer Engineering Technology/Technician	Computer Engineering Technology	SUNY College of Technology at Alfred	Associates degree	3	2	1
46.0301	Electrical and Power Transmission Installation/Installer, General	Electrical Construction & Maintenance Electrician	SUNY College of Technology at Alfred	Associates degree	47	42	61
46.0302	Electrician	(Unknown)	SUNY College of Technology at Alfred	Associates degree	XXX	XXX	XXX
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Associates degree	34	33	35
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	0	0	0
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	University at Buffalo	Award of at least 1 but less than 2 academic years	0	0	0
15.9999	Engineering Technologies and Engineering-Related Fields, Other	(Unknown)	University at Buffalo	Associates degree	0	0	0
11.0201	Computer Programming/Programmer, General	(Unknown)	Villa Maria College	Associates degree	XXX	XXX	XXX
Total					**117**	**106**	**137**

Mechanical Engineering Technology-Related Programs by Institution

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015 - 2016)	Completions (2016 - 2017)	Completions (2017 - 2018)
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Engineering Technology	Erie Community College	Associates degree	8	12	13
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD	(Unknown)	Erie Community College	Associates degree	xxx	xxx	xxx
15.0000	Engineering Technology, General	(Unknown)	ITT Technical Institute-Getzville	Associates degree	Closed	Closed	Closed
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Jamestown Community College	Associates degree	0	8	7
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	0	0	0
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YO	Award of less than 1 academic year			
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology: Mechanical Design	Niagara County Community College	Associates degree	4	5	2
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD	(Unknown)	Niagara County Community College	Associates degree	0	0	0
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	16	24	11
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Associates degree	34	33	35
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	0	0	0
15.9999	Engineering Technologies and Engineering-Related Fields, Other	(Unknown)	University at Buffalo	Associates degree	0	0	0
Total					**54**	**70**	**55**

Applied Integrated Technology/Mechatronics-Related Programs by Institution

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015 - 2016)	Completions (2016 - 2017)	Completions (2017 - 2018)
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Bryant & Stratton College-Amherst	Associates degree	XXX	XXX	XXX
15.0101	Architectural Engineering Technology/Technician	Architectural Technology	Erie Community College	Associates degree	8	13	6
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Technology	Erie Community College	Associates degree	15	9	15
15.0612	Industrial Technology/Technician	Solar Thermal Technology	Erie Community College	Associates degree	16	27	17
15.0699	Industrial Production Technologies/Technicians, Other	Industrial Technology	Erie Community College	Associates degree	0	-	-
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Engineering Technology	Erie Community College	Associates degree	8	12	13
15.1202	Computer Technology/Computer Systems Technology	Computer Repair Technology	Erie Community College	Associates degree	3	10	15
46.0401	Building/Property Maintenance	Building Management & Maintenance	Erie Community College	Associates degree	15	22	10
47.0101	Electrical/Electronics Equipment Installation and Repair, General	(Unknown)	Erie Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
47.0499	Precision Systems Maintenance and Repair Technologies, Other	CNC Precision Machining	Erie Community College	Award of at least 1 but less than 2 academic years	33	38	27
48.0503	Machine Shop Technology/Assistant	(Unknown)	Erie Community College	Associates degree	XXX	XXX	XXX
15.0000	Engineering Technology, General	(Unknown)	ITT Technical Institute-Getzville	Associates degree	Closed	Closed	Closed
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	ITT Technical Institute-Getzville	Associates degree	Closed	Closed	Closed
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
15.0612	Industrial Technology/Technician	Industrial Equipment Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	2	3	6
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Jamestown Community College	Associates degree	0	8	7
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	0	0	0
15.1201	Computer Engineering Technology/Technician	Digital/Computer Technology	Jamestown Community College	Associates degree	6	0	0
15.1202	Computer Technology/Computer Systems Technology	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
48.0503	Machine Shop Technology/Assistant	Machine Tool Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	0	3	4
48.0501	Machine Tool Technology/Machinist	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YO	Award of less than 1 academic year	-	-	-
48.0503	Machine Shop Technology/Assistant	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YO	Award of less than 1 academic year	-	-	-
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	(Unknown)	Niagara County Community College	Associates degree	0	0	0
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Technology: Mechanical Design	Niagara County Community College	Associates degree	4	5	2
15.0101	Architectural Engineering Technology/Technician	Architectural Technology	SUNY College of Technology at Alfred	Associates degree	5	17	12
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Electrical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	9	10	10
15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Associates degree	0	0	0
15.0403	Electromechanical Technology/Electromechanical Engineering Technology	Electromechanical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	4	24	4
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Associates degree	XXX	XXX	XXX
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
15.0699	Industrial Production Technologies/Technicians, Other	(Unknown)	SUNY College of Technology at Alfred	Award of less than 1 academic year	XXX	XXX	XXX
15.0805	Mechanical Engineering/Mechanical Technology/Technician	Mechanical Engineering Technology	SUNY College of Technology at Alfred	Associates degree	16	24	11
15.1201	Computer Engineering Technology/Technician	Computer Engineering Technology	SUNY College of Technology at Alfred	Associates degree	3	2	1
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Associates degree	34	33	35
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	0	0	0
48.0503	Machine Shop Technology/Assistant	Machine Tool Technology	SUNY College of Technology at Alfred	Associates degree	16	12	18
48.0503	Machine Shop Technology/Assistant	Machine Tool Ii	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	16	0	0
Total					**213**	**272**	**213**

Tooling & Machining-Related Programs by Institution

CIP Code	Federal Programs	Program/Major	Institution	Award Level	Completions (2015 - 2016)	Completions (2016 - 2017)	Completions (2017 - 2018)
48.0503	Machine Shop Technology/Assistant	(Unknown)	Erie Community College	Associates degree	XXX	XXX	XXX
48.0507	Tool and Die Technology/Technician	(Unknown)	Erie Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	Hilbert College	Associates degree	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Associates degree	XXX	XXX	XXX
48.0501	Machine Tool Technology/Machinist	(Unknown)	Jamestown Community College	Award of at least 1 but less than 2 academic years	XXX	XXX	XXX
48.0503	Machine Shop Technology/Assistant	Machine Tool Technology	Jamestown Community College	Award of at least 1 but less than 2 academic years	0	3	4
48.0501	Machine Tool Technology/Machinist	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YORK INC	Award of less than 1 academic year	-	-	-
48.0503	Machine Shop Technology/Assistant	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YORK INC	Award of less than 1 academic year	-	-	-
48.0599	Precision Metal Working, Other	(Unknown)	METALWORKING INSTITUTE OF WESTERN NEW YORK INC	Award of less than 1 academic year	-	-	-
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	Niagara County Community College	Associates degree	0	0	0
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	SUNY College of Technology at Alfred	Associates degree	0	XXX	XXX
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Associates degree	34	33	35
47.0399	Heavy/Industrial Equipment Maintenance Technologies, Other	Heavy Equipment Operations	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	0	0	0
48.0503	Machine Shop Technology/Assistant	Machine Tool Technology	SUNY College of Technology at Alfred	Associates degree	16	12	18
48.0503	Machine Shop Technology/Assistant	Machine Tool Ii	SUNY College of Technology at Alfred	Award of at least 1 but less than 2 academic years	16	0	0
11.0301	Data Processing and Data Processing Technology/Technician	(Unknown)	University at Buffalo	Award of at least 1 but less than 2 academic years	0	0	0
11.0201	Computer Programming/Programmer, General	(Unknown)	Villa Maria College	Associates degree	XXX	XXX	XXX
Total					**66**	**48**	**57**

Closed - Institution is closed
XXX - no longer offered/not in IPEDS system