

2020-2028 Projected Engineering Technology & Related Manufacturing Occupation Estimates for the Manufacturing Industry

Data Assessment for Workforce Regions 1-24 & FL State and Community Colleges

Source

Florida Department of Economic Opportunity Local Workforce list

April, 2021



Florida College System and Serving Workforce Regions		
FL College Name	FL Workforce Region	Workforce Region No.
PENSACOLA STATE COLLEGE	CareerSource Escarosa (Escambia, Santa Rosa Counties)	1
NORTHWEST FLORIDA STATE COLLEGE	CareerSource Okaloosa Walton (Okaloosa, Walton Counties)	2
CHIPOLA COLLEGE	CareerSource Chipola (Calhoun, Holmes, Jackson, Liberty, Washington Counties)	3
GULF COAST STATE COLLEGE	CareerSource Gulf Coast (Bay, Franklin, Gulf Counties)	4
TALLAHASSEE COMMUNITY COLLEGE	CareerSource Capital Region (Gadsden, Leon, Wakulla Counties)	5
NORTH FLORIDA COLLEGE	CareerSource North Florida (Hamilton, Jefferson, Lafayette, Madison, Suwannee, Taylor Counties)	6
FLORIDA GATEWAY COLLEGE	CareerSource Florida Crown (Columbia, Dixie, Gilchrist, Union Counties)	7
FLORIDA STATE COLLEGE AT JACKSONVILLE	CareerSource Northeast Florida (Baker, Clay, Duval, Nassau, Putnam, St. Johns Counties)	8
ST. JOHNS RIVER STATE COLLEGE	CareerSource Northeast Florida (Baker, Clay, Duval, Nassau, Putnam, St. Johns Counties)	8
SANTA FE COLLEGE	CareerSource North Central Florida (Alachua, Bradford Counties)	9
COLLEGE OF CENTRAL FLORIDA	CareerSource Citrus Levy Marion (Citrus, Levy, Marion Counties)	10
DAYTONA STATE COLLEGE	CareerSource Flagler Volusia (Flagler, Volusia Counties)	11
LAKE-SUMTER STATE COLLEGE	CareerSource Central Florida (Lake, Orange, Osceola, Seminole, Sumter Counties)	12
SEMINOLE STATE COLLEGE OF FLORIDA	CareerSource Central Florida (Lake, Orange, Osceola, Seminole, Sumter Counties)	12
VALENCIA COLLEGE	CareerSource Central Florida (Lake, Orange, Osceola, Seminole, Sumter Counties)	12
EASTERN FLORIDA STATE COLLEGE	CareerSource Brevard (Brevard County)	13
ST. PETERSBURG COLLEGE	CareerSource Pinellas (Pinellas County)	14
HILLSBOROUGH COMMUNITY COLLEGE	CareerSource Tampa Bay (Hillsborough County)	15
PASCO-HERNANDO STATE COLLEGE	CareerSource Pasco Hernando (Hernando, Pasco Counties)	16
POLK STATE COLLEGE	CareerSource Polk (Polk County)	17
STATE COLLEGE OF FLORIDA, MANATEE-SARASOTA	CareerSource Suncoast (Manatee, Sarasota Counties)	18
SOUTH FLORIDA STATE COLLEGE	CareerSource Heartland (DeSoto, Hardee, Highlands, Okeechobee Counties)	19
INDIAN RIVER STATE COLLEGE	CareerSource Research Coast (Indian River, Martin, St. Lucie Counties)	20
PALM BEACH STATE COLLEGE	CareerSource Palm Beach County (Palm Beach County)	21
BROWARD COLLEGE	CareerSource Broward (Broward County)	22
THE COLLEGE OF THE FLORIDA KEYS	CareerSource South Florida (Miami-Dade, Monroe Counties)	23
MIAMI DADE COLLEGE	CareerSource South Florida (Miami-Dade, Monroe Counties)	23
FLORIDA SOUTHWESTERN STATE COLLEGE	CareerSource Southwest Florida (Charlotte, Collier, Glades, Hendry, Lee Counties)	24

Source:

[Florida Department of Economic Opportunity Local Workforce list](#)

2021-2028 Projected Engineering Technology & Related MFG Occupations for the Manufacturing Industry*	
SOC Code	SOC Title
49-3011	Aircraft Mechanics and Service Technicians
51-4011	Computer-Controlled Machine Tool Operators, Metal
17-3023	Electrical and Electronic Engineering Technicians
51-4021	Extruding and Drawing Machine Setters, Operators,
51-2091	Fiberglass Laminators and Fabricators
49-1011	First-Line Supervisors/Managers of Mechanics, Inst
51-1011	First-Line Supervisors/Managers of Production and
11-1021	General and Operations Managers
51-9198	Helpers--Production Workers
17-3026	Industrial Engineering Technicians
17-2112	Industrial Engineers
49-9041	Industrial Machinery Mechanics
42-0700	Industrial Production Managers
11-3051	Industrial Production Managers-1
51-4041	Machinists
49-9071	Maintenance and Repair Workers
51-9023	Mixing and Blending Machine Setters, Operators, an
51-4072	Molding, Coremaking, and Casting Machine Setters,
51-9111	Packaging and Filling Machine Operators and Tender
41-4011	Sales Representatives, Wholesale and Manufacturing -1
41-4012	Sales Representatives, Wholesale and Manufacturing-2
51-7041	Sawing Machine Setters, Operators, and Tenders, Wo
51-6031	Sewing Machine Operators
47-2211	Sheet Metal Workers
51-4121	Welders, Cutters, Solderers, and Brazers
51-7042	Woodworking Machine Setters, Operators, and Tender

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Florida Workforce Regions 1-24 2020-2028 Projected Engineering Technology & Related MFG Occupation Estimates for the Manufacturing Industry*					
SOC Code	SOC Title	Count of Workforce Region	Sum of Projected 2028 Employment	Sum of Total Change	Sum of Percentage Change
17-2112	Industrial Engineers	20	14,766	1,478	223%
49-9041	Industrial Machinery Mechanics	14	6,367	831	221%
51-4121	Welders, Cutters, Solderers, and Brazers	21	14,641	961	173%
51-9111	Packaging and Filling Machine Operators and Tender	19	16,786	1,608	158%
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	23	26,480	1,469	147%
51-9023	Mixing and Blending Machine Setters, Operators, an	14	7,604	593	113%
51-4041	Machinists	18	13,682	886	113%
49-9071	Maintenance and Repair Workers	16	5,857	341	109%
41-4012	Sales Representatives, Wholesale and Manufacturing-2	16	11,814	563	102%
11-3051	Industrial Production Managers-1	16	5,476	277	102%
51-7041	Sawing Machine Setters, Operators, and Tenders, Wo	3	610	84	75%
51-9198	Helpers--Production Workers	13	5,359	251	65%
11-1021	General and Operations Managers	15	6,499	253	64%
51-2091	Fiberglass Laminators and Fabricators	5	2,154	228	61%
51-6031	Sewing Machine Operators	10	3,626	110	56%
51-7042	Woodworking Machine Setters, Operators, and Tender	3	414	46	38%
47-2211	Sheet Metal Workers	2	667	84	17%
42-0700	Industrial Production Managers	4	883	18	13%
49-1011	First-Line Supervisors/Managers of Mechanics, Inst	2	237	24	13%
51-4072	Molding, Coremaking, and Casting Machine Setters,	8	3,795	46	12%
51-4011	Computer-Controlled Machine Tool Operators, Metal	7	2,173	18	12%
17-3026	Industrial Engineering Technicians	3	726	-7	8%
51-4021	Extruding and Drawing Machine Setters, Operators,	1	333	7	2%
49-3011	Aircraft Mechanics and Service Technicians	2	1,424	7	0%
41-4011	Sales Representatives, Wholesale and Manufacturing -1	2	708	-42	-4%
17-3023	Electrical and Electronic Engineering Technicians	4	2,342	-41	-15%

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 1-CareerSource Escarosa (Escambia, Santa Rosa Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Pensacola State
51-7042	Woodworking Machine Setters, Operators, and Tender	109	126	17	15.6%	102
49-9041	Industrial Machinery Mechanics	293	333	40	13.7%	
51-9111	Packaging and Filling Machine Operators and Tender	191	213	22	11.5%	
51-4121	Welders, Cutters, Solderers, and Brazers	265	275	10	3.8%	
51-1011	First-Line Supervisors/Managers of Production and	467	468	1	0.2%	
51-4041	Machinists	138	133	-5	-3.6%	
	TOTAL		1,548			

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 2-CareerSource Okaloosa Walton (Okaloosa, Walton Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Northwest Florida State College
51-1011	First-Line Supervisors/Managers of Production and	111	116	5	4.5%	67
51-9111	Packaging and Filling Machine Operators and Tender	36	36	0	0.0%	
49-9071	Maintenance and Repair Workers	34	34	0	0.0%	
17-3023	Electrical and Electronic Engineering Technicians	31	28	-3	-9.7%	
	TOTAL		214			

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 3-CareerSource Chipola (Calhoun, Holmes, Jackson, Liberty, Washington Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Chipola College
51-4121	Welders, Cutters, Solderers, and Brazers	46	49	3	6.5%	
51-9023	Mixing and Blending Machine Setters, Operators, an	10	11	1	10.0%	
	TOTAL		60			19

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 4-CareerSource Gulf Coast (Bay, Franklin, Gulf Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Gulf Coast State College
11-3051	Industrial Production Managers	24	26	2	8.3%	63
51-1011	First-Line Supervisors/Managers of Production and	249	258	9	3.6%	
51-4121	Welders, Cutters, Solderers, and Brazers	95	97	2	2.1%	
11-1021	General and Operations Managers	51	51	0	0.0%	
49-1011	First-Line Supervisors/Managers of Mechanics, Inst	28	28	0	0.0%	
	TOTAL		460			

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 5-CareerSource Capital Region (Gadsden, Leon, Wakulla Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Tallahassee Community College
11-3051	Industrial Production Managers	54	61	7	13.0%	58
51-6031	Sewing Machine Operators	53	58	5	9.4%	
51-1011	First-Line Supervisors/Managers of Production and	247	262	15	6.1%	
51-4121	Welders, Cutters, Solderers, and Brazers	149	157	8	5.4%	
51-4041	Machinists	47	49	2	4.3%	
51-9198	Helpers--Production Workers	74	75	1	1.4%	
	TOTAL		662			

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 6-CareerSource North Florida (Hamilton, Jefferson, Lafayette, Madison, Suwannee, Taylor Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	North Florida College
51-7041	Sawing Machine Setters, Operators, and Tenders, Wo	90	144	54	60.0%	14
51-4121	Welders, Cutters, Solderers, and Brazers	373	437	64	17.2%	
49-9041	Industrial Machinery Mechanics	236	266	30	12.7%	
49-9071	Maintenance and Repair Workers	92	103	11	12.0%	
51-1011	First-Line Supervisors/Managers of Production and	164	182	18	11.0%	
51-9198	Helpers--Production Workers	90	91	1	1.1%	
51-9111	Packaging and Filling Machine Operators and Tender	371	374	3	0.8%	
	TOTAL		1,597			

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 7-CareerSource Florida Crown (Columbia, Dixie, Gilchrist, Union Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Florida Gateway College
51-4121	Welders, Cutters, Solderers, and Brazers	230	327	97	42.2%	
41-4012	Sales Representatives, Wholesale and Manufacturing	54	66	12	22.2%	
51-9023	Mixing and Blending Machine Setters, Operators, an	59	68	9	15.3%	
51-4041	Machinists	36	41	5	13.9%	
49-9041	Industrial Machinery Mechanics	75	84	9	12.0%	
51-1011	First-Line Supervisors/Managers of Production and	175	189	14	8.0%	
51-9111	Packaging and Filling Machine Operators and Tender	62	66	4	6.5%	
11-3051	Industrial Production Managers	32	33	1	3.1%	
51-7041	Sawing Machine Setters, Operators, and Tenders, Wo	234	236	2	0.9%	
49-9071	Maintenance and Repair Workers	53	53	0	0.0%	
	TOTAL		1,163			* (less than 10)

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 8-CareerSource Northeast Florida (Baker, Clay, Duval, Nassau, Putnam, St. Johns Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)	
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Florida State College at Jacksonville	St. John River State College
49-9041	Industrial Machinery Mechanics	960	1,089	129	13.4%		
51-9111	Packaging and Filling Machine Operators and Tender	1,942	2,108	166	8.5%		
51-4121	Welders, Cutters, Solderers, and Brazers	1,170	1,250	80	6.8%		
41-4012	Sales Representatives, Wholesale and Manufacturing	979	1,032	53	5.4%		
51-1011	First-Line Supervisors/Managers of Production and	2,220	2,336	116	5.2%		
49-9071	Maintenance and Repair Workers	851	894	43	5.1%		
11-1021	General and Operations Managers	464	487	23	5.0%		
51-9023	Mixing and Blending Machine Setters, Operators, an	587	615	28	4.8%		
11-3051	Industrial Production Managers	600	623	23	3.8%		
51-4041	Machinists	1,103	1,145	42	3.8%		
51-9198	Helpers--Production Workers	302	313	11	3.6%		
51-4021	Extruding and Drawing Machine Setters, Operators,	326	333	7	2.1%		
49-3011	Aircraft Mechanics and Service Technicians	916	928	12	1.3%		
51-4072	Molding, Coremaking, and Casting Machine Setters,	280	283	3	1.1%		
	TOTAL		13,436			494	100

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 9-CareerSource North Central Florida (Alachua, Bradford Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Santa Fe College
49-9041	Industrial Machinery Mechanics	50	58	8	16.0%	
51-9111	Packaging and Filling Machine Operators and Tender	210	231	21	10.0%	
11-3051	Industrial Production Managers	62	65	3	4.8%	
51-1011	First-Line Supervisors/Managers of Production and	283	294	11	3.9%	
51-4041	Machinists	49	50	1	2.0%	
51-4121	Welders, Cutters, Solderers, and Brazers	54	52	-2	-3.7%	
51-4011	Computer-Controlled Machine Tool Operators, Metal	70	67	-3	-4.3%	
	TOTAL		817			82

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 10-CareerSource Citrus Levy Marion (Citrus, Levy, Marion Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	College of Central Florida
51-7042	Woodworking Machine Setters, Operators, and Tender	111	125	14	12.6%	
51-4011	Computer-Controlled Machine Tool Operators, Metal	123	137	14	11.4%	
51-2091	Fiberglass Laminators and Fabricators	146	160	14	9.6%	
51-4121	Welders, Cutters, Solderers, and Brazers	617	676	59	9.6%	
41-4012	Sales Representatives, Wholesale and Manufacturing	386	422	36	9.3%	
51-1011	First-Line Supervisors/Managers of Production and	678	735	57	8.4%	
51-9111	Packaging and Filling Machine Operators and Tender	124	132	8	6.5%	
17-3026	Industrial Engineering Technicians	102	108	6	5.9%	
11-3051	Industrial Production Managers	147	150	3	2.0%	
11-1021	General and Operations Managers	158	160	2	1.3%	
51-4041	Machinists	200	198	-2	-1.0%	
	TOTAL		3,003			124

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 11-CareerSource Flagler Volusia (Flagler, Volusia Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Daytona State College
51-2091	Fiberglass Laminators and Fabricators	287	355	68	23.7%	105
51-1011	First-Line Supervisors/Managers of Production and	1,206	1,391	185	15.3%	
51-4121	Welders, Cutters, Solderers, and Brazers	796	904	108	13.6%	
51-9111	Packaging and Filling Machine Operators and Tender	212	232	20	9.4%	
11-3051	Industrial Production Managers	200	218	18	9.0%	
17-3026	Industrial Engineering Technicians	174	188	14	8.0%	
41-4012	Sales Representatives, Wholesale and Manufacturing	281	303	22	7.8%	
49-9071	Maintenance and Repair Workers	128	138	10	7.8%	
51-6031	Sewing Machine Operators	149	160	11	7.4%	
51-4041	Machinists	770	793	23	3.0%	
11-1021	General and Operations Managers	183	188	5	2.7%	
51-4072	Molding, Coremaking, and Casting Machine Setters,	155	150	-5	-3.2%	
	TOTAL		5,020			

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 12-CareerSource Central Florida (Lake, Orange, Osceola, Seminole, Sumter Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)		
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Lake Sumter State College	Seminole State College of Florida	Valencia college
47-2211	Sheet Metal Workers	468	553	85	18.2%			
49-9041	Industrial Machinery Mechanics	657	773	116	17.7%			
51-9111	Packaging and Filling Machine Operators and Tender	2,367	2,714	347	14.7%			
51-2091	Fiberglass Laminators and Fabricators	769	880	111	14.4%			
51-4121	Welders, Cutters, Solderers, and Brazers	1,285	1,446	161	12.5%			
51-9023	Mixing and Blending Machine Setters, Operators, an	1,278	1,424	146	11.4%			
51-9198	Helpers--Production Workers	1,197	1,316	119	9.9%			
49-9071	Maintenance and Repair Workers	761	829	68	8.9%			
51-1011	First-Line Supervisors/Managers of Production and	2,969	3,203	234	7.9%			
11-3051	Industrial Production Managers	790	846	56	7.1%			
41-4012	Sales Representatives, Wholesale and Manufacturing	1,398	1,491	93	6.7%			
11-1021	General and Operations Managers	830	878	48	5.8%			
51-4041	Machinists	1,044	1,102	58	5.6%			
17-3023	Electrical and Electronic Engineering Technicians	808	846	38	4.7%			
	TOTAL		18,301			154	316	458

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 13-CareerSource Brevard (Brevard County) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Eastern Florida State College
51-4041	Machinists	1,406	1,576	170	12.1%	851
51-4121	Welders, Cutters, Solderers, and Brazers	592	651	59	10.0%	
51-1011	First-Line Supervisors/Managers of Production and	1,030	1,090	60	5.8%	
41-4012	Sales Representatives, Wholesale and Manufacturing	473	495	22	4.7%	
11-1021	General and Operations Managers	940	956	16	1.7%	
49-9071	Maintenance and Repair Workers	400	402	2	0.5%	
42-0700	Industrial Production Managers	383	382	-1	-0.3%	
17-3023	Electrical and Electronic Engineering Technicians	915	883	-32	-3.5%	
	TOTAL		6,435			

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 14-CareerSource Pinellas (Pinellas County) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	St. Petersburg College
49-9041	Industrial Machinery Mechanics	435	509	74	17.0%	
51-9023	Mixing and Blending Machine Setters, Operators, an	625	709	84	13.4%	
51-9111	Packaging and Filling Machine Operators and Tender	1,399	1,587	188	13.4%	
51-4041	Machinists	1,709	1,773	64	3.7%	
49-9071	Maintenance and Repair Workers	593	610	17	2.9%	
51-1011	First-Line Supervisors/Managers of Production and	2,384	2,414	30	1.3%	
11-3051	Industrial Production Managers	706	714	8	1.1%	
51-4072	Molding, Coremaking, and Casting Machine Setters,	1,103	1,098	-5	-0.5%	
41-4012	Sales Representatives, Wholesale and Manufacturing	1,320	1,312	-8	-0.6%	
51-6031	Sewing Machine Operators	308	306	-2	-0.6%	
51-9198	Helpers--Production Workers	616	612	-4	-0.6%	
51-4011	Computer-Controlled Machine Tool Operators, Metal	731	723	-8	-1.1%	
51-4121	Welders, Cutters, Solderers, and Brazers	1,277	1,252	-25	-2.0%	
	TOTAL		13,619			250

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 15-CareerSource Tampa Bay (Hillsborough County) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Hillsborough Community College
49-9041	Industrial Machinery Mechanics	514	618	104	20.2%	
49-9071	Maintenance and Repair Workers	453	497	44	9.7%	
51-9111	Packaging and Filling Machine Operators and Tender	1,577	1,729	152	9.6%	
51-9023	Mixing and Blending Machine Setters, Operators, an	799	861	62	7.8%	
41-4012	Sales Representatives, Wholesale and Manufacturing	1,287	1,372	85	6.6%	
51-4121	Welders, Cutters, Solderers, and Brazers	1,143	1,218	75	6.6%	
11-3051	Industrial Production Managers	503	536	33	6.6%	
51-1011	First-Line Supervisors/Managers of Production and	1,937	2,063	126	6.5%	
51-6031	Sewing Machine Operators	477	508	31	6.5%	
51-4041	Machinists	824	876	52	6.3%	
11-1021	General and Operations Managers	604	638	34	5.6%	
51-4072	Molding, Coremaking, and Casting Machine Setters,	397	414	17	4.3%	
51-9198	Helpers--Production Workers	553	574	21	3.8%	
51-4011	Computer-Controlled Machine Tool Operators, Metal	295	294	-1	-0.3%	
	TOTAL		12,198			251

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Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 16-CareerSource Pasco Hernando (Hernando, Pasco Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Pasco-Hernando State College
49-9041	Industrial Machinery Mechanics	86	101	15	17.4%	
51-4121	Welders, Cutters, Solderers, and Brazers	374	422	48	12.8%	
49-9071	Maintenance and Repair Workers	98	110	12	12.2%	
51-4041	Machinists	343	382	39	11.4%	
51-9111	Packaging and Filling Machine Operators and Tender	225	249	24	10.7%	
11-3051	Industrial Production Managers	116	126	10	8.6%	
51-1011	First-Line Supervisors/Managers of Production and	426	462	36	8.5%	
51-9023	Mixing and Blending Machine Setters, Operators, an	135	146	11	8.1%	
41-4012	Sales Representatives, Wholesale and Manufacturing	334	360	26	7.8%	
11-1021	General and Operations Managers	143	150	7	4.9%	
51-4072	Molding, Coremaking, and Casting Machine Setters,	141	147	6	4.3%	
51-9198	Helpers--Production Workers	115	119	4	3.5%	
51-4011	Computer-Controlled Machine Tool Operators, Metal	184	190	6	3.3%	
	TOTAL		2,964			102

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 17-CareerSource Polk (Polk County) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Polk State College
51-7041	Sawing Machine Setters, Operators, and Tenders, Wo	202	230	28	13.9%	173
41-4012	Sales Representatives, Wholesale and Manufacturing	578	620	42	7.3%	
51-4041	Machinists	328	350	22	6.7%	
11-1021	General and Operations Managers	317	338	21	6.6%	
51-4121	Welders, Cutters, Solderers, and Brazers	699	742	43	6.2%	
51-4072	Molding, Coremaking, and Casting Machine Setters,	413	438	25	6.1%	
51-9111	Packaging and Filling Machine Operators and Tender	910	956	46	5.1%	
49-9041	Industrial Machinery Mechanics	801	837	36	4.5%	
51-9023	Mixing and Blending Machine Setters, Operators, an	346	360	14	4.0%	
51-1011	First-Line Supervisors/Managers of Production and	1,199	1,240	41	3.4%	
42-0700	Industrial Production Managers	272	280	8	2.9%	
49-9071	Maintenance and Repair Workers	629	646	17	2.7%	
51-9198	Helpers--Production Workers	321	321	0	0.0%	
	TOTAL		7,358			

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 18-CareerSource Suncoast (Manatee, Sarasota Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	State College of Florida
49-9041	Industrial Machinery Mechanics	251	305	54	21.5%	91
51-9198	Helpers--Production Workers	231	270	39	16.9%	
51-4121	Welders, Cutters, Solderers, and Brazers	636	712	76	11.9%	
51-6031	Sewing Machine Operators	163	180	17	10.4%	
51-9111	Packaging and Filling Machine Operators and Tender	447	486	39	8.7%	
51-1011	First-Line Supervisors/Managers of Production and	1,008	1,085	77	7.6%	
49-9071	Maintenance and Repair Workers	358	383	25	7.0%	
11-1021	General and Operations Managers	343	363	20	5.8%	
51-4041	Machinists	731	761	30	4.1%	
51-4072	Molding, Coremaking, and Casting Machine Setters,	703	728	25	3.6%	
11-3051	Industrial Production Managers	219	225	6	2.7%	
41-4012	Sales Representatives, Wholesale and Manufacturing	654	664	10	1.5%	
51-4011	Computer-Controlled Machine Tool Operators, Metal	352	355	3	0.9%	
	TOTAL		6,212			

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 19-CareerSource Heartland (DeSoto, Hardee, Highlands, Okeechobee Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	South Florida State College
49-9071	Maintenance and Repair Workers	22	24	2	9.1%	40
42-0700	Industrial Production Managers	13	14	1	7.7%	
51-1011	First-Line Supervisors/Managers of Production and	79	85	6	7.6%	
41-4012	Sales Representatives, Wholesale and Manufacturing	30	32	2	6.7%	
51-9023	Mixing and Blending Machine Setters, Operators, an	112	112	0	0.0%	
51-9111	Packaging and Filling Machine Operators and Tender	145	144	-1	-0.7%	
	TOTAL		411			

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 20-CareerSource Research Coast (Indian River, Martin, St. Lucie Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Indian River State College
51-2091	Fiberglass Laminators and Fabricators	263	297	34	12.9%	140
51-6031	Sewing Machine Operators	111	124	13	11.7%	
51-9198	Helpers--Production Workers	125	139	14	11.2%	
51-7042	Woodworking Machine Setters, Operators, and Tender	148	163	15	10.1%	
49-9071	Maintenance and Repair Workers	199	218	19	9.5%	
51-4121	Welders, Cutters, Solderers, and Brazers	493	530	37	7.5%	
11-1021	General and Operations Managers	183	196	13	7.1%	
51-1011	First-Line Supervisors/Managers of Production and	692	741	49	7.1%	
51-4041	Machinists	457	487	30	6.6%	
51-9111	Packaging and Filling Machine Operators and Tender	221	233	12	5.4%	
11-3051	Industrial Production Managers	99	104	5	5.1%	
47-2211	Sheet Metal Workers	115	114	-1	-0.9%	
	TOTAL		3,346			

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 21-CareerSource Palm Beach County (Palm Beach County) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Palm Beach State College
13-2011	Accountants and Auditors	274	317	43	15.7%	
49-9041	Industrial Machinery Mechanics	308	355	47	15.3%	
51-4041	Machinists	1,223	1,405	182	14.9%	
49-9071	Maintenance and Repair Workers	256	294	38	14.8%	
42-0700	Industrial Production Managers	302	346	44	14.6%	
51-9111	Packaging and Filling Machine Operators and Tender	568	650	82	14.4%	
49-1011	First-Line Supervisors/Managers of Mechanics, Inst	185	209	24	13.0%	
51-9023	Mixing and Blending Machine Setters, Operators, an	258	291	33	12.8%	
51-1011	First-Line Supervisors/Managers of Production and	1,257	1,393	136	10.8%	
51-9198	Helpers--Production Workers	245	269	24	9.8%	
11-1021	General and Operations Managers	465	502	37	8.0%	
41-4011	Sales Representatives, Wholesale and Manufacturing	217	233	16	7.4%	
41-4012	Sales Representatives, Wholesale and Manufacturing	841	902	61	7.3%	
51-4121	Welders, Cutters, Solderers, and Brazers	612	655	43	7.0%	
51-6031	Sewing Machine Operators	201	212	11	5.5%	
	TOTAL		8,033			284

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 22-CareerSource Broward (Broward County) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Broward College
49-9041	Industrial Machinery Mechanics	386	471	85	22.0%	
51-9023	Mixing and Blending Machine Setters, Operators, an	669	762	93	13.9%	
51-9111	Packaging and Filling Machine Operators and Tender	1,408	1,599	191	13.6%	
51-4041	Machinists	1,014	1,095	81	8.0%	
11-3051	Industrial Production Managers	623	659	36	5.8%	
41-4012	Sales Representatives, Wholesale and Manufacturing	966	1,018	52	5.4%	
13-2011	Accountants and Auditors	468	492	24	5.1%	
51-1011	First-Line Supervisors/Managers of Production and	2,317	2,419	102	4.4%	
49-9071	Maintenance and Repair Workers	309	322	13	4.2%	
11-1021	General and Operations Managers	665	686	21	3.2%	
51-6031	Sewing Machine Operators	507	522	15	3.0%	
51-4121	Welders, Cutters, Solderers, and Brazers	1,357	1,396	39	2.9%	
51-4011	Computer-Controlled Machine Tool Operators, Metal	400	407	7	1.8%	
	TOTAL		11,848			859

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 23-CareerSource South Florida (Miami-Dade, Monroe Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)	
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	The College of Florida Keys	Miami Dade College
49-9041	Industrial Machinery Mechanics	484	568	84	17.4%		
51-9111	Packaging and Filling Machine Operators and Tender	2,763	3,047	284	10.3%		
51-9023	Mixing and Blending Machine Setters, Operators, an	1,386	1,469	83	6.0%		
41-4012	Sales Representatives, Wholesale and Manufacturing	1,525	1,579	54	3.5%		
49-9071	Maintenance and Repair Workers	680	702	22	3.2%		
51-4041	Machinists	709	731	22	3.1%		
11-3051	Industrial Production Managers	747	768	21	2.8%		
51-1011	First-Line Supervisors/Managers of Production and	3,056	3,131	75	2.5%		
11-1021	General and Operations Managers	771	788	17	2.2%		
51-4121	Welders, Cutters, Solderers, and Brazers	1,495	1,518	23	1.5%		
51-9198	Helpers--Production Workers	937	947	10	1.1%		
51-6031	Sewing Machine Operators	1,402	1,407	5	0.4%		
51-2091	Fiberglass Laminators and Fabricators	461	462	1	0.2%		
49-3011	Aircraft Mechanics and Service Technicians	501	496	-5	-1.0%		
51-4072	Molding, Coremaking, and Casting Machine Setters,	557	537	-20	-3.6%		
	TOTAL		18,150			18	278

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research

Workforce Region 24-CareerSource Southwest Florida (Charlotte, Collier, Glades, Hendry, Lee Counties) Occupation Estimates for the Manufacturing Industry* Years 2020 - 2028						FDOE 2019-2021 Student Enrollment Serving College(s)
SOC Code	SOC Title	Estimated 2020 Employment	Projected 2028 Employment	Total Change	Percentage Change	Florida Sowthwestern State College
51-4041	Machinists	714	785	71	9.9%	
11-1021	General and Operations Managers	324	353	29	9.0%	
51-1011	First-Line Supervisors/Managers of Production and	857	923	66	7.7%	
11-3051	Industrial Production Managers	172	183	11	6.4%	
51-6031	Sewing Machine Operators	145	149	4	2.8%	
51-4121	Welders, Cutters, Solderers, and Brazers	514	526	12	2.3%	
41-4012	Sales Representatives, Wholesale and Manufacturing	145	146	1	0.7%	
51-9023	Mixing and Blending Machine Setters, Operators, an	160	161	1	0.6%	
	TOTAL		3,226			516

* The Manufacturing Industry consists of the following NAICS codes: 31-33

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research