

Next Generation Workforce

Solutions to the Growing Qualified Employee Shortage





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The "C's" of a CTE

Client – students enrolling in programs trusting they will learn skills and information leading to a career path

Customer – learning institutions wanting to serve the needs of their students and their businesses

Customer – businesses and industry needing a skilled workforce pipeline

Content – the combination of SME and market intelligence to provide the right solutions to the client and customers

Curriculum – comprehensive, current, complete and correct

Classroom – aspirational and relevant encompassing industry knowledge and skills applications

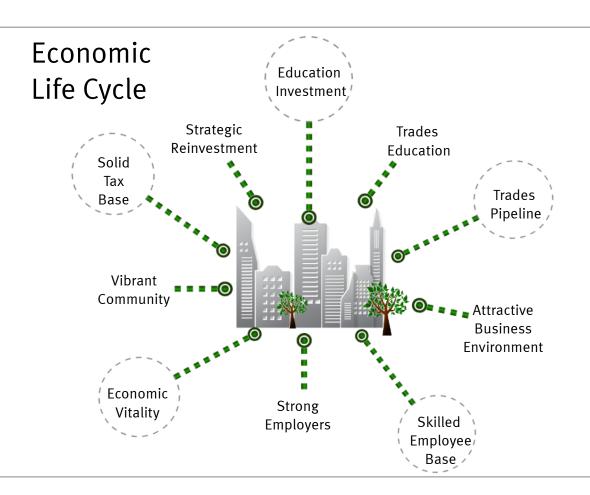
Core – foundational skills translating to multiple disciplines, career paths and workforce requirements

Competencies – development of understanding of job ready skills at the theoretical and practical level

Certifications – focused, stackable, demonstrated, and documented knowledge and skills

Credentials – combination of knowledge and skills into a capstone, level, designation, standard or title





"The three things in attracting industry is not "location, location, location", it's "workforce, workforce." – Jim Flanagan, President of Desoto EDC.

The "Super" Employee



FESTO



Certification programs essential tools of technical education





Wholistic Solutions



145Unique Certifications from 17 World Class Industry Partners

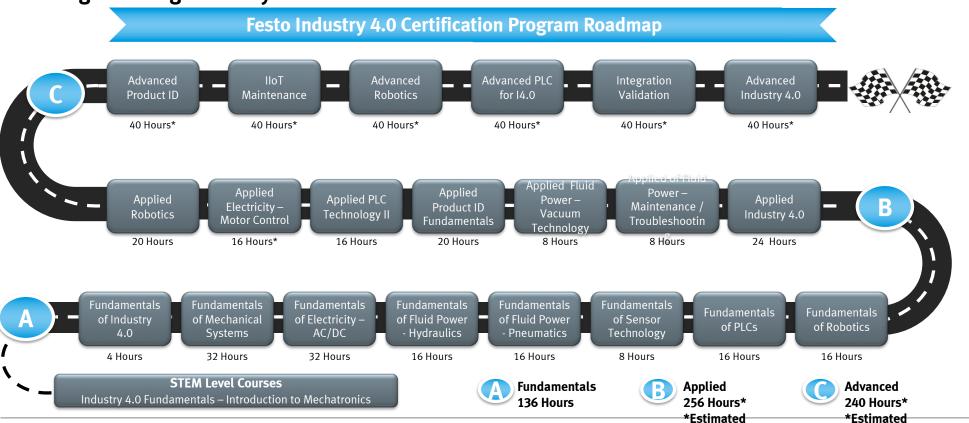
STEM
Manufacturing
Buildings & Trades
Welding

Aviation
Digital Literacy
Heath and Safety

Lifelong Learning



Creating Learning Pathways





Texas CTE Leading Innovators

Temple College - Engaged, Enlighted and Enthused

Workforce Development Division

- Workforce Training
- Continuing Education
- > Adult Education Literacy
- Industry Recognized Credentials
- > ESL
- Custom Industry Specific

Employer Engagement

- > Tactical Planning immediate needs
- > Strategic Planning future needs
- New Technologies entering the local market
- > Expanding the labor pool
- > Local Industry manufacturing, agriculture, etc.





Diverse Delivery

- > Credit and non-credit
- Dual Credit
- Workforce training
- > Industrial training
- Non-credit to credit conversion
- Dynamic Scheduling

Community effort

- Secondary System
- > Economic Development
- Local Industry and Commerce
- Key community stakeholders
- > State organizations

Credentials Should Meet the Needs of Industry and Employers



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00-0000	Texas Employment	12.1M	\$ 39,64																					
17-2112	Manufacturing Engineers	18,170	\$ 96,30	0 15%	X		X X	X	X	Х	Х	X :	X X	X	X	X	Х	Х	Х	Х	Х	X		
17-3023	Electrical and Electronic Engineering Technologists and Technicians	10,610	\$ 69,31	0 8%			X			Х	Х		X			X	Х					X		
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	1,480	\$ 52,01		X		X X	X	X	Х	X	X	XX	(X	X	X	Х	Х	Х	Χ	Х	X		
17-3026	ndustrial Engineering Technologists and Technicians	6,970	\$ 62,68		X	()	X X	X	Х	Х	Х	X	X X	X	Х	X	Х	Х	Х	Х	Х	X		
17-3027	Mechanical Engineering Technologists and Technicians	3,320	\$ 61,40	0 11%	X			Х	Х				X							Х	Х			
25-1194	Career/Technical Education Teachers, Postsecondary	10,240	\$ 56,19	0 13%	X	()	X X	X	Х	Х	Х	X :	X X	X	Х	X	Х	Х	Х	Х	Х	X		
25-2023	Career/Technical Education Teachers, Middle School	1,640	\$ 59,32	0 10%	X		X																	
25-2032	Career/Technical Education Teachers, Secondary School	10,720	\$ 59,48	0 10%	X	()	X X	X	Х	Х	Х	Х												
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	84,180	\$ 62,39	0 17%		>	ХХ	X		Х	Х	X :	X	X	Х	X	Х				Х	X		
47-2111	Electricians	68,180	\$ 50,10	0 14%		>	X X			Х	Х					X						X		
17-3013	HelpersElectricians	10,130	\$ 34,14	0 9%		>	ХХ			Х	Х													
7-4021	Elevator and Escalator Installers and Repairers	3,060	\$ 76,89	0 12%	X		ХХ		X	Х	Х	X	X		X	X				Х	Х	X		
19-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	44,030	\$ 67,43	0 13%	X		X		X				X							Х				
19-2011	Computer, Automated Teller, and Office Machine Repairers	8,600	\$ 37,28	0 12%	X		X			Х	Х					X		Х		Х		X		
19-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	1,320	\$ 49,87	0 27%			X			Х	Х					X						X		
19-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	17,120	\$ 58,37	0 18%			X			Х	Х					X						X		
19-2091	Avionics Technicians	2,930	\$ 67,92	0 7%			X			Х														
19-2092	Electric Motor, Power Tool, and Related Repairers	1,070	\$ 43,19	0 13%	X		X X	X	X	Х	Х	X :	X X	X	X	X	Х				Х	X		
19-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	1,240	\$ 71,38	0 11%	X		X		X	Х			X	(Χ	Х			
19-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	6,330	\$ 61,13	0 9%	X		X X	X	X	Х	Х	X :	X X	X	X	X	Х				Х	X		
19-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	1,480	\$ 38,58	0 -4%			X																	
19-2098	Security and Fire Alarm Systems Installers	8,110	\$ 49,05	0 15%	X		X X			Х	Х	X	>		X	X					Х	X		
19-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	28,010	\$ 48,03	0 16%	X		ХХ		X	Х	Х	X	X		X	X					Х	X		
	Home Appliance Repairers	2,270	\$ 39,47	0 8%	X		X		X	Х										Х				
19-9041	ndustrial Machinery Mechanics	41,140	\$ 54,98	0 13%	X		X X	X	X	Х	Х	X :	X X	(X	X	X	Х	Х	Х	Х	Х	Х		
	Maintenance and Repair Workers, General	113,250	\$ 37,89	0 14%	X		X X	X	X	Х	Х	X :	X X	(X	X	X	Х	Х	Х	Х	Х	Х		
	Wind Turbine Service Technicians	1,430	\$ 52,42	0 83%	Х		х х		X	Х	Х					X					Х	Х		
51-2022	Electrical and Electronic Equipment Assemblers	22,630	\$ 35,63	0 7%		>	х х	X	X	Х	Х	X												
51-2023	Electromechanical Equipment Assemblers	22,630	\$ 35,63	0 7%	X		х х	X	X	Х	Х	X												
	Feam Assemblers	74,550	\$ 29,93	0 -3%	X		х х	X	X	Х	Х	X												
1-8091	Chemical Plant and System Operators	7,420	\$ 75,78	0 -19%			X		X		Х		X								Х			
	Gas Plant Operators	3,750	\$ 70,37		X				X		Х		X								Х			
	Petroleum Pump System Operators, Refinery Operators, and Gaugers	10.940	\$ 81,31	_	X		X		X															
	Plant and System Operators, All Other	2,090	\$ 45,72		X		X X	X	X	Х	Х	X :	X X	_	X	X								
	Chemical Equipment Operators and Tenders	14,460	\$ 61,78				X						<u> </u>											
	Separating, Filtering, Clarifying, Pand Still Machine Setters, Operators	3,280	\$ 39,57		X		X		X	Х	Х			X									+	
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MSA Occupation Relevance

area	area_title	OCC_CO(-T	occ_title	tot_em	emp_pr -	jobs_10 ▼	OH growth_1 ✓	US growth	h_mea →	a_mean	h_pct1	h_pct2 -	h_medi -	h_pct7 -	h_pct9 -
17460	Cleveland-Elyria, OH	00-0000	All Occupations	1,047,350	1.1	1000.000			\$ 25.03	\$52,050.0	0 \$ 9.75	\$ 12.75	\$ 19.44	\$ 30.63	\$ 45.15
17460	Cleveland-Elyria, OH		Electrical and Electronic Engineering Technologists and Technicians	510	17.5	0.485	-3%	2%	\$ 29.06	\$ 29.0	6 \$ 19.04	\$ 22.94	\$ 29.43	\$ 34.16	\$ 38.81
17460	Cleveland-Elyria, OH	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	110	44.7	0.109	3%	3%	\$ 26.35	\$ 26.3	5 \$ 17.53	\$ 20.59	\$ 24.49	\$ 32.16	\$ 37.31
17460	Cleveland-Elyria, OH	17-3026	Industrial Engineering Technologists and Technicians	560	17.8	0.535	2%	2%	\$ 27.79	\$ 27.7	9 \$ 16.87	\$ 20.33	\$ 24.23	\$ 30.13	\$ 40.35
17460	Cleveland-Elyria, OH	17-3027	Mechanical Engineering Technologists and Technicians	600	11.0	0.574	2%	3%	\$ 27.70	\$ 27.7	0 \$ 17.67	\$ 21.27	\$ 27.28	\$ 33.97	\$ 38.55
17460	Cleveland-Elyria, OH	47-2111	Electricians	3,940	12.2	3.758	10%	8%	\$ 27.10	\$ 27.1	0 \$ 14.01	\$ 18.97	\$ 28.21	\$ 35.10	\$ 38.83
17460	Cleveland-Elyria, OH	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	350	19.4	0.332	2%	1%	\$ 26.38	\$ 26.3	8 \$ 17.62	\$ 21.11	\$ 25.04	\$ 31.09	\$ 37.07
17460	Cleveland-Elyria, OH	49-9041	Industrial Machinery Mechanics	3,450	8.8	3.298	5%	16%	\$ 26.49	\$ 26.4	9 \$ 17.70	\$ 21.50	\$ 26.09	\$ 30.56	\$ 36.75
17460	Cleveland-Elyria, OH	49-9071	Maintenance and Repair Workers, General	11,790	5.5	11.260	4%	4%	\$ 20.40	\$ 20.4	0 \$ 11.17	\$ 15.03	\$ 19.41	\$ 25.47	\$ 30.49
17460	Cleveland-Elyria, OH	51-8099	Plant and System Operators, All Other	**	**	**	3%	0%	\$ 22.88	\$ 22.8	8 \$ 13.97	\$ 16.25	\$ 19.40	\$ 30.03	\$ 35.51
17460	Cleveland-Elyria, OH	51-9111	Packaging and Filling Machine Operators and Tenders	2,540	21.9	2.424	1%	1%	\$ 14.40	\$ 14.4	0 \$ 10.08	\$ 11.45	\$ 13.47	\$ 16.32	\$ 21.10

End in Mind: Helping a dealer work with a school in justifying starting an electrical program or grant qualification.

"There's never a traffic jam on the extra mile" — Roger Staubach

FESTO



