

LMC CTE DATA ANALYSIS OVERVIEW - Updated 9.20.2020

PROGRAMS OF STUDY (1)				DEGREES/AWARDS EARNED (2)					LABOR MARKET INFORMATION				WAGE IMPACT (3)
	College Skills Certificate	Certificate of Achievement	Associate Degree	15/16	16/17	17/18	18/19	19/20	2019 Jobs	2024 Jobs	Percent Change	Annual Openings	Sample Salary Averages in CA 25th Percentile - 75th Percentile
Administration of Justice													
Administration of Justice			AS	1	5	0	1	0	5,381	5,537	3%	413	Police and Sheriff's Patrol Officers \$47.95 - \$64.37
Administration of Justice		*		6	5	5	5	2	1,965	2,022	3%	187	Correctional Officers and Jailers \$31.85 - \$53.12
Administration of Justice			AS-T	42	49	59	56	13	409	429	5%	31	Detectives and Criminal Investigators \$43.97 - \$67.84
Basic Law Enforcement Academy Intensive		*		1	68	92	85	44					
Criminal Investigations		*		1	3	1	3	0					
Criminal Investigations Specialist	*			0	1	0	0	0					
Criminal Law Specialist	*			0	2	0	0	0					
Criminal Law		*		3	3	3	4	2					
Automotive Technology													
Automotive Technology			AS	6	11	9	13	1	5,847	6,012	3%	609	Automotive Service Technician & Mechanic: \$19.27 - \$32.79/hr
Automotive Technology		*		5	7	6	14	3	170	144	-15%	18	Electronic Equipment Installers and Repairers, Motor Vehicles: \$19.27 - \$22.95
Air Conditioning Specialist	*			8	13	12	3	0					
Automotive Chassis Specialist	*			9	12	17	10	0					
Engine Performance	*			5	12	5							
Engine Repair & Machining Specialist	*			4	6	6							
Smog Technician Specialist	*			2	5	0	1	0					
Transmission Specialist	*			4	6	9	5	0					
Business													
Accounting			AS	11	15	15	17	6	501	565	13%	74	Tax Preparers: \$18.05 - \$39.86
Accounting		*		8	5	13	10	3	11,692	11,824	1%	1,272	First-Line Supervisors of Office and Administrative Support Workers: \$23.48-\$37.12
Business Administration			AS-T	49	62	93	85	18	11,587	11,680	1%	1,398	Bookkeeping, Accounting, and Auditing Clerks: \$18.86 - \$28.21
Business Office Administration			AS	10	6	5	1	0	1,483	1,491	1%	168	Payroll and Timekeeping Clerks: \$22.78 - \$32.72
Business Office Administration		*		7	3	4	1	0	6,450	5,900	-9%	699	Executive Secretaries and Executive Administrative Assistants: \$28.06 - \$42.38
Small Business Operations		*		3	2	8	3	1					
Business Retail Management		*		0	0	1	0	1					
Small Business Management & Operations			AS	6	5	8	5	1					
Child Development													
Child Development			AS	4	1	0	1	0					
Child Development		*		20	25	26	27	4	5,573	5,938	7%	649	Teacher's Assistant: \$14.40 - \$20.87/hr
Assistant Teacher Permit Coursework	*			31	47	50	30	17	13,259	13,568	2%	1,065	Preschool Teacher, Except Special Education: \$16.49 - \$22.33/hr
Associate Teacher Permit Coursework	*			21	43	47	25	13	11,105	11,592	4%	1,289	Elementary School Teacher, Except Special Education: \$27.92 - \$44.44/hr
Early Childhood Education			AS-T	22	39	23	26	8					
Specialization - Infant Toddler Care	*			2	1	11	2	2					
Specialization - School Age Care	*			1	0	0	0	0					
Specialization Administration of Director Early Childhood Programs	*			2	0	3	0	0					
Specialization - Special Needs Care & Education	*			5	8	8	5	1					
Computer Science													
Computer Science			AS-T	2	1	2	4	0					
Computer Applications Specialist		*		1	1	2	0	0	5,591	5,862	5%	524	Only these occupations are aligned to the CTE program: Computer User Support Specialist: \$16.46 - \$47.03/hr
Computer Networking & Security			AS	4	7	12	4	0	1,213	1,281	6%	116	Computer Network Support Specialist: \$21.06 - \$57.96/hr
Computer Networking & Security (Basic)		*		3	3	2	0	0					
Computer Networking & Security (Advanced)		*		3	5	7	1	0					
Computer Support Specialist			AS	3	7	9	2	3					
Computer Support Specialist (Advanced)		*		3	4	4	0	0	751	899	20%	88	These occupations are aligned to the transfer program: Information Security Analysis: \$39.42 - \$66.14/hr
Computer Support Specialist (Basic)		*		0	4	4	0	0	18,908	20,275	7%	1,367	Software Developer: \$48.35 - \$72.66/hr
Information Technology			AS	0	0	0	1	0	7,074	7,238	2%	592	Computer & Information Systems Manager: \$65.74 - \$95.29/hr

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Information Technology Basic		*							1,510	1,591	5%	81	Web Developers and Digital Interface Designers: \$32.16 - \$62.30
Information Technology Advanced		*		0	0	0	0	1					
Certified PC Repair Technician	*			2	4	1	1	0					
Web Design	*			4	4	4	1	2					
Electrical / Instrumentation Technology													
Electrical Technology			AS	12	19	11	11	2	2,189	2,182	0%	218	Electrical & Electronic Engineering Technicians: \$22.35 - \$35.24/hr
Electrical Technology		*		16	25	14	14	5	332	348	5%	33	Electrical & Electronic Repairer, Commercial & Industrial Equipment: \$21.22 - \$47.59/hr
Instrumentation Technology			AS	7	25	11	11	1	7,884	8,945	13%	1,200	Electricians: \$28.77 - \$53.76/hr
Instrumentation Technology		*		23	23	23	16	0					
Transit Electrical Technology		*		0	0	0	17	1					
Emergency Medical Services													
Emergency Medical Technician I	*			146	116	131	0	0	2,592	2,867	11%	240	Emergency Medical Technicians & Paramedics: \$13.51 - \$30.83
Fire Technology													
Fire Technology			AS	14	27	28	27	11					
Fire Technology		*		15	10	22	20	9					
Basic Fire Academy		*		2	0	0	6	25	2,604	2,674	3%	193	Firefighters: \$37.84 - \$57.21/hr
Basic Fire Academy	*			27	23	24	29	25					
Fire Prevention	*			15	9	18	3	4	63	66	5%	7	Fire Inspector or Investigator: \$43.15 - \$65.96/hr
Fire Protection	*			13	9	17	5	5	438	444	1%	54	Forest & Conservation Technician: \$13.34 - \$28.61/hr
Graphics Communications													
Graphics Communications			AA	7	9	15	8	3	42	46	10%	6	Fine Artists, including Painters, Sculptors & Illustrators: \$23.85 - \$44.79/hr
Graphics Communications		*		1	2	2	2	1	1,974	1,987	1%	202	Graphic Designer: \$24.41 - \$39.09/hr
									433	461	6%	50	Commercial & Industrial Designer: \$30.07 - \$47.51/hr
									1,510	1,591	5%	134	Web Developers: \$32.16 - \$62.30/hr
Journalism													
Journalism			AA	2	1	1	0	1	118	101	-14%	13	News Analysts, Reporters, and Journalists: 16.75 - \$40.44
Journalism			AA-T	6	6	7	9	3	459	456	-1%	52	Editors: \$26.78 - \$46.49
									432	464	7%	50	Technical Writers: \$33.29 - \$54.43
Nursing													
Registered Nursing			AS	41	40	38	39	0	25,143	26,887	7%	1,725	Registered Nurse: \$50.51 - \$80.55/hr
Vocational Nursing		*		18	1	30	25	1	4,798	5,339	11%	492	Licensed Practical & Licensed Vocational Nurse: \$27.42 - \$37.70/hr
Process Technology													
Process Technology			AS	14	23	26	19	4					
Process Technology		*		26	19	28	26	5	360	354	-2%	41	Chemical Plant and System Operators: \$21.33 - \$41.29
Bridge to Advanced Manufacturing	*			6	4	1	1	2	2,028	1,719	-15%	210	Petroleum Pump System Operators, Refinery Operators, & Gaugers: \$39.96 - \$48.50/hr
									346	364	5%	45	Chemical Equipment Operators & Tenders: \$21.87 - \$33.89/hr
Recording Arts													
Recording Arts			AA	4	8	3	11	0					
Recording Arts		*		3	8	3	6	0	117	114	-3%	12	Broadcast Technicians: \$19.19 - \$35.81
Recording Arts Level 1		*		0	0	34	0	0	723	762	5%	88	Audio/video Equipment Technician: \$15.07 - \$31.58/hr
Recording Arts Level 2		*		0	0	24	0	0	116	120	3%	13	Sound Engineering Technician: \$21.67 - \$38.99/hr
Travel Marketing													

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Travel Marketing			AS	1	3	5	4	4					Most travel counselors are independent & income is based on business success. The American Society of Travel Agents (ASTA) reported in 2010 that independent agents average over \$50,000/yr. Market Research Analysts and Marketing Specialists: \$26.65 - \$50.33 Tour and Travel Guides: \$14.54 - \$20.92 Travel Agents: \$19.12 - \$30.13
Travel Marketing		*		2	10	12	10	0					
Travel Marketing	*			8	15	10	6	1					
Cruise Specialist	*			8	9	6	8	1	8,042	8,743	9%	995	
Home-Based Travel Specialist	*			5	9	8	5	1	365	385	5%	70	
									374	343	-8%	48	
Welding Technology													
Welding Technology			AS	0	2	4	9	0	2,059	2,306	12%	290	Welder, Cutter & Welder Fitter: \$21.08 - \$32.71/hr
Welding Technology		*		3	3	0	7	0	224	251	12%	32	Welding, Soldering & Brazing Machine Setter, Operator & Tender: \$16.64 - \$25.38
Welding Pre-Apprenticeship	*			10	2	22	14	4	146	154	5%	19	Reinforcing Iron and Rebar Workers: \$17.76 - \$36.01

- NOTES:**
 (1) Compiled from Los Medanos College 2018-2019 Catalog and Announcement of Courses.
 (2) Information gathered from Los Medanos College SQL Server Reporting Services - LMC DIY Program Review Data Packets - as well as inquiries to LMC District Research.
 (3) Information gathered from *oneline.org* , which is sponsored by the Department of Labor, 2016

Programs of Study (from Catalog)--updated by BB
 Degrees/Awards Earned--updated by CH
 Labor Market--updated by BB
 Wage Impact--updated by BB
 This report updated annually--every August 15.