

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

**Environmental Science (TOP 0301.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
19-4091	Environmental science and protection technicians, including health	783	905	45	\$25.58	122	16%	Associate's degree
	Total	783	905	45	\$25.58	122		

**Environmental Studies (TOP 0302.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
19-4091	Environmental science and protection technicians, including health	783	905	45	\$25.58	122	16%	Associate's degree
	Total	783	905	45	\$25.58	122		

**Environmental Technology (TOP 0303.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
47-4041	Hazardous materials removal workers	1,999	1,875	43	\$18.60	-124	-6%	Moderate-term on-the-job training
	Total	1,999	1,875	43	\$18.60	-124		

**Environmental Sciences and Technologies, Other (TOP 0399.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
19-4093	Forest and conservation technicians	964	1,020	46	\$14.74	56	6%	Associate's degree
45-4011	Forest and conservation workers	328	378	19	\$10.14	50	15%	Moderate-term on-the-job training
	Total	1,292	1,398	64	\$13.58	106		

**Biotechnology and Biomedical Technology (TOP 0430.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
19-4021	Biological technicians	1,983	2,470	132	\$16.82	487	25%	Associate's degree
	Total	1,983	2,470	132	\$16.82	487		

**Business and Commerce, General (TOP 0501.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
13-1051	Cost estimators	8,735	9,913	326	\$29.77	1,178	13%	Work experience in a related field
11-3051	Industrial production managers	7,269	7,333	301	\$40.33	64	1%	Work experience in a related field
11-3071	Transportation, storage, and distribution managers	4,897	5,530	224	\$35.30	633	13%	Work experience in a related field
	Total	108,988	121,780	3,969	\$26.59	12,791		

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**Tax Studies (TOP 0502.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
13-2082	Tax preparers	5,967	6,189	183	\$17.48	222	4%	Moderate-term on-the-job training
	Total	5,967	6,189	183	\$17.48	222		

**Banking and Finance (TOP 0504.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-3071	Tellers	23,871	27,720	1,525	\$13.39	3,849	16%	Short-term on-the-job training
43-3011	Bill and account collectors	21,111	25,063	813	\$16.77	3,952	19%	Short-term on-the-job training
43-4131	Loan interviewers and clerks	10,842	10,267	197	\$18.43	-575	-5%	Short-term on-the-job training
43-4041	Credit authorizers, checkers, and clerks	2,235	2,069	88	\$16.76	-166	-7%	Short-term on-the-job training
43-4141	New accounts clerks	2,111	1,843	96	\$15.16	-268	-13%	Work experience in a related field
	Total	60,170	66,961	2,719	\$15.67	6,792		

**Business Administration (TOP 0505.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	17,405	21,588	779	\$11.52	4,183	24%	Work experience in a related field
39-1021	First-line supervisors/managers of personal service workers	11,873	11,685	256	\$15.19	-188	-2%	Work experience in a related field
13-1051	Cost estimators	8,735	9,913	326	\$29.77	1,178	13%	Work experience in a related field
11-3051	Industrial production managers	7,269	7,333	301	\$40.33	64	1%	Work experience in a related field
11-3071	Transportation, storage, and distribution managers	4,897	5,530	224	\$35.30	633	13%	Work experience in a related field
39-1011	Gaming supervisors	872	1,102	45	\$10.26	230	26%	Work experience in a related field
	Total	139,138	156,156	5,049	\$23.63	17,016		

**Business Management (TOP 0506.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	17,405	21,588	779	\$11.52	4,183	24%	Work experience in a related field
39-1021	First-line supervisors/managers of personal service workers	11,873	11,685	256	\$15.19	-188	-2%	Work experience in a related field

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13-1051	Cost estimators	8,735	9,913	326	\$29.77	1,178	13%	Work experience in a related field
11-3051	Industrial production managers	7,269	7,333	301	\$40.33	64	1%	Work experience in a related field
11-3071	Transportation, storage, and distribution managers	4,897	5,530	224	\$35.30	633	13%	Work experience in a related field
39-1011	Gaming supervisors	872	1,102	45	\$10.26	230	26%	Work experience in a related field
	<b>Total</b>	<b>139,138</b>	<b>156,156</b>	<b>5,049</b>	<b>\$23.63</b>	<b>17,016</b>		

**Management Development and Supervision (TOP 0506.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-1011	First-line supervisors/managers of office and administrative support workers	78,510	84,483	2,367	\$23.49	5,973	8%	Work experience in a related field
	<b>Total</b>	<b>78,510</b>	<b>84,483</b>	<b>2,367</b>	<b>\$23.49</b>	<b>5,973</b>		

**Small Business and Entrepreneurship (TOP 0506.40)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
	<b>Total</b>	<b>88,088</b>	<b>99,004</b>	<b>3,117</b>	<b>\$24.65</b>	<b>10,916</b>		

**Retail Store Operations and Management (TOP 0506.50)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-2031	Retail salespersons	193,628	227,391	10,182	\$10.26	33,763	17%	Short-term on-the-job training
41-2011	Cashiers, except gaming	121,782	130,951	7,348	\$9.57	9,169	8%	Short-term on-the-job training
41-1011	First-line supervisors/managers of retail sales workers	98,573	111,351	3,665	\$16.60	12,778	13%	Work experience in a related field
43-5081	Stock clerks and order fillers	74,072	75,311	2,481	\$10.25	1,239	2%	Short-term on-the-job training
41-3099	Sales representatives, services, all other	46,347	55,245	2,204	\$22.83	8,898	19%	Moderate-term on-the-job training
53-3031	Driver/sales workers	23,469	27,328	1,024	\$14.31	3,859	16%	Short-term on-the-job training
41-9099	Sales and related workers, all other	19,688	21,887	453	\$16.57	2,199	11%	Moderate-term on-the-job training
41-9011	Demonstrators and product promoters	6,612	7,730	328	\$11.30	1,118	17%	Moderate-term on-the-job training
41-2012	Gaming change persons and booth cashiers	3,065	3,294	174	\$22.07	229	7%	Short-term on-the-job training
	<b>Total</b>	<b>587,235</b>	<b>660,487</b>	<b>27,859</b>	<b>\$12.62</b>	<b>73,252</b>		

**Marketing and Distribution (TOP 0509.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-2031	Retail salespersons	193,628	227,391	10,182	\$10.26	33,763	17%	Short-term on-the-job training

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41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	74,662	84,984	2,938	\$27.53	10,322	14%	Moderate-term on-the-job training
13-1023	Purchasing agents, except wholesale, retail, and farm products	13,195	13,718	347	\$27.49	523	4%	Work experience in a related field
41-9041	Telemarketers	12,965	11,479	584	\$11.87	-1,486	-11%	Short-term on-the-job training
13-1022	Wholesale and retail buyers, except farm products	9,261	9,785	274	\$25.01	524	6%	Work experience in a related field
	<b>Total</b>	<b>303,711</b>	<b>347,357</b>	<b>14,326</b>	<b>\$15.77</b>	<b>43,646</b>		

**Advertising (TOP 0509.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-3011	Advertising sales agents	8,778	10,588	380	\$22.62	1,810	21%	Moderate-term on-the-job training
27-1026	Merchandise displayers and window trimmers	6,907	8,384	368	\$15.60	1,477	21%	Moderate-term on-the-job training
	<b>Total</b>	<b>15,686</b>	<b>18,972</b>	<b>748</b>	<b>\$19.53</b>	<b>3,287</b>		

**Sales and Salesmanship (TOP 0509.40)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-2031	Retail salespersons	193,628	227,391	10,182	\$10.26	33,763	17%	Short-term on-the-job training
41-1011	First-line supervisors/managers of retail sales workers	98,573	111,351	3,665	\$16.60	12,778	13%	Work experience in a related field
41-3099	Sales representatives, services, all other	46,347	55,245	2,204	\$22.83	8,898	19%	Moderate-term on-the-job training
41-9091	Door-to-door sales workers, news and street vendors, and related workers	32,608	32,738	459	\$8.02	130	0%	Short-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	27,955	31,116	1,012	\$35.66	3,161	11%	Moderate-term on-the-job training
41-2021	Counter and rental clerks	22,907	26,646	1,341	\$11.36	3,739	16%	Short-term on-the-job training
41-9099	Sales and related workers, all other	19,688	21,887	453	\$16.57	2,199	11%	Moderate-term on-the-job training
41-9041	Telemarketers	12,965	11,479	584	\$11.87	-1,486	-11%	Short-term on-the-job training
43-4181	Reservation and transportation ticket agents and travel clerks	7,674	6,216	169	\$15.41	-1,458	-19%	Short-term on-the-job training
41-3041	Travel agents	6,804	8,709	286	\$16.84	1,905	28%	Postsecondary vocational award
41-2022	Parts salespersons	6,804	6,821	93	\$15.50	17	0%	Moderate-term on-the-job training
43-4081	Hotel, motel, and resort desk clerks	6,028	6,998	366	\$11.29	970	16%	Short-term on-the-job training
11-9081	Lodging managers	4,922	6,007	244	\$20.40	1,085	22%	Work experience in a related field
39-6022	Travel guides	845	1,001	53	\$12.14	156	18%	Moderate-term on-the-job training

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39-6032	Transportation attendants, except flight attendants and baggage porters	711	763	19	\$14.14	52	7%	Short-term on-the-job training
	<b>Total</b>	<b>488,458</b>	<b>554,366</b>	<b>21,128</b>	<b>\$14.76</b>	<b>65,909</b>		

**Display (TOP 0509.60)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	74,662	84,984	2,938	\$27.53	10,322	14%	Moderate-term on-the-job training
41-1012	First-line supervisors/managers of non-retail sales workers	49,216	55,764	1,528	\$27.44	6,548	13%	Work experience in a related field
41-9099	Sales and related workers, all other	19,688	21,887	453	\$16.57	2,199	11%	Moderate-term on-the-job training
	<b>Total</b>	<b>143,566</b>	<b>162,635</b>	<b>4,919</b>	<b>\$26.00</b>	<b>19,069</b>		

**E-Commerce (business emphasis) (TOP 0509.70)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-1011	First-line supervisors/managers of retail sales workers	98,573	111,351	3,665	\$16.60	12,778	13%	Work experience in a related field
	<b>Total</b>	<b>98,573</b>	<b>111,351</b>	<b>3,665</b>	<b>\$16.60</b>	<b>12,778</b>		

**Logistics and Materials Transportation (TOP 0510.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-3071	Transportation, storage, and distribution managers	4,897	5,530	224	\$35.30	633	13%	Work experience in a related field
	<b>Total</b>	<b>4,897</b>	<b>5,530</b>	<b>224</b>	<b>\$35.30</b>	<b>633</b>		

**Real Estate (TOP 0511.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-9022	Real estate sales agents	99,231	132,646	5,763	\$8.49	33,415	34%	Postsecondary vocational award
41-9021	Real estate brokers	97,733	130,971	5,717	\$8.54	33,238	34%	Work experience in a related field
13-2021	Appraisers and assessors of real estate	21,827	28,909	1,323	\$10.69	7,082	32%	Postsecondary vocational award
	<b>Total</b>	<b>218,791</b>	<b>292,526</b>	<b>12,803</b>	<b>\$8.73</b>	<b>73,735</b>		

**Escrow (TOP 0511.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level

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41-9022	Real estate sales agents	99,231	132,646	5,763	\$8.49	33,415	34%	Postsecondary vocational award
41-9021	Real estate brokers	97,733	130,971	5,717	\$8.54	33,238	34%	Work experience in a related field
13-2021	Appraisers and assessors of real estate	21,827	28,909	1,323	\$10.69	7,082	32%	Postsecondary vocational award
	Total	218,791	292,526	12,803	\$8.73	73,735		

**Insurance (TOP 0512.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
13-1031	Claims adjusters, examiners, and investigators	14,825	15,314	439	\$27.55	489	3%	Long-term on-the-job training
13-1032	Insurance appraisers, auto damage	1,510	1,609	51	\$21.44	99	7%	Long-term on-the-job training
	Total	16,335	16,923	490	\$26.98	588		

**Office Technology/Office Computer Applications (TOP 0514.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-6011	Executive secretaries and administrative assistants	92,678	104,973	3,013	\$20.48	12,295	13%	Moderate-term on-the-job training
43-6014	Secretaries, except legal, medical, and executive	49,698	51,772	1,051	\$15.63	2,074	4%	Moderate-term on-the-job training
	Total	142,376	156,745	4,063	\$18.78	14,369		

**Legal Office Technology (TOP 0514.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-6012	Legal secretaries	19,593	22,722	703	\$22.11	3,129	16%	Postsecondary vocational award
	Total	19,593	22,722	703	\$22.11	3,129		

**Medical Office Technology (TOP 0514.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-6011	Executive secretaries and administrative assistants	92,678	104,973	3,013	\$20.48	12,295	13%	Moderate-term on-the-job training
43-6013	Medical secretaries	37,808	45,119	1,516	\$14.76	7,311	19%	Postsecondary vocational award
31-9092	Medical assistants	28,619	37,935	1,520	\$14.42	9,316	33%	Moderate-term on-the-job training
	Total	159,105	188,027	6,048	\$18.03	28,922		

**Court Reporting (TOP 0514.30)**

**Occupations/Jobs for which LAMC Currently Trains  
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SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
23-2091	Court reporters	2,421	2,789	86	\$28.53	368	15%	Postsecondary vocational award
	Total	2,421	2,789	86	\$28.53	368		

**Office Management (TOP 0514.40)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-1011	First-line supervisors/managers of office and administrative support workers	78,510	84,483	2,367	\$23.49	5,973	8%	Work experience in a related field
	Total	78,510	84,483	2,367	\$23.49	5,973		

**Customer Service (TOP 0518.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-4051	Customer service representatives	89,384	107,974	4,813	\$15.96	18,590	21%	Moderate-term on-the-job training
43-2021	Telephone operators	857	734	45	\$15.97	-123	-14%	Short-term on-the-job training
	Total	90,241	108,708	4,857	\$15.96	18,467		

**Other Business and Management (TOP 0599.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-1011	First-line supervisors/managers of retail sales workers	98,573	111,351	3,665	\$16.60	12,778	13%	Work experience in a related field
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	74,662	84,984	2,938	\$27.53	10,322	14%	Moderate-term on-the-job training
41-1012	First-line supervisors/managers of non-retail sales workers	49,216	55,764	1,528	\$27.44	6,548	13%	Work experience in a related field
41-3099	Sales representatives, services, all other	46,347	55,245	2,204	\$22.83	8,898	19%	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	27,955	31,116	1,012	\$35.66	3,161	11%	Moderate-term on-the-job training
41-9099	Sales and related workers, all other	19,688	21,887	453	\$16.57	2,199	11%	Moderate-term on-the-job training
	Total	404,529	459,351	14,916	\$23.72	54,822		

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**Radio and Television (TOP 0604.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3011	Radio and television announcers	2,879	3,180	160	\$14.56	301	10%	Long-term on-the-job training
	Total	2,879	3,180	160	\$14.56	301		

**Radio (TOP 0604.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3011	Radio and television announcers	2,879	3,180	160	\$14.56	301	10%	Long-term on-the-job training
	Total	2,879	3,180	160	\$14.56	301		

**Television (including combined TV/film/video) (TOP 0604.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3011	Radio and television announcers	2,879	3,180	160	\$14.56	301	10%	Long-term on-the-job training
	Total	2,879	3,180	160	\$14.56	301		

**Broadcast Journalism (TOP 0604.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3011	Radio and television announcers	2,879	3,180	160	\$14.56	301	10%	Long-term on-the-job training
	Total	2,879	3,180	160	\$14.56	301		

**Film Production (TOP 0612.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-4031	Camera operators, television, video, and motion picture	4,685	5,081	137	\$16.05	396	8%	Moderate-term on-the-job training
	Total	4,685	5,081	137	\$16.05	396		

**Digital Media (TOP 0614.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-4011	Audio and video equipment technicians	4,985	5,769	260	\$18.37	784	16%	Long-term on-the-job training
27-4012	Broadcast technicians	2,428	2,727	116	\$14.55	299	12%	Associate's degree
	Total	7,413	8,497	377	\$17.12	1,083		

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**Multimedia (TOP 0614.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-4011	Audio and video equipment technicians	4,985	5,769	260	\$18.37	784	16%	Long-term on-the-job training
27-4012	Broadcast technicians	2,428	2,727	116	\$14.55	299	12%	Associate's degree
	Total	7,413	8,497	377	\$17.12	1,083		

**Desktop Publishing (TOP 0614.50)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
51-5022	Prepress technicians and workers	3,175	2,978	117	\$19.39	-197	-6%	Postsecondary vocational award
43-9031	Desktop publishers	2,724	3,175	112	\$16.16	451	17%	Postsecondary vocational award
	Total	5,899	6,153	229	\$17.90	254		

**Other Media and Communications (TOP 0699.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3099	Media and communication workers, all other	9,414	9,873	281	\$21.64	459	5%	Long-term on-the-job training
	Total	9,414	9,873	281	\$21.64	459		

**Information Technology, General (TOP 0701.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
15-1099	Computer specialists, all other	10,562	11,931	451	\$31.41	1,369	13%	Associate's degree
	Total	10,562	11,931	451	\$31.41	1,369		

**Software Applications (TOP 0702.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
43-9021	Data entry keyers	14,464	14,295	423	\$12.95	-169	-1%	Moderate-term on-the-job training
	Total	14,464	14,295	423	\$12.95	-169		

**Computer Science (transfer) (TOP 0706.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
15-1099	Computer specialists, all other	10,562	11,931	451	\$31.41	1,369	13%	Associate's degree
	Total	10,562	11,931	451	\$31.41	1,369		

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

**Computer Software Development (TOP 0707.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
51-4012	Numerical tool and process control programmers	792	835	21	\$25.64	43	5%	Long-term on-the-job training
	Total	792	835	21	\$25.64	43		

**Computer Programming (TOP 0707.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
51-4012	Numerical tool and process control programmers	792	835	21	\$25.64	43	5%	Long-term on-the-job training
	Total	792	835	21	\$25.64	43		

**E-Commerce (technology emphasis) (TOP 0709.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
41-1011	First-line supervisors/managers of retail sales workers	98,573	111,351	3,665	\$16.60	12,778	13%	Work experience in a related field
	Total	98,573	111,351	3,665	\$16.60	12,778		

**Other Information Technology (TOP 0799.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
15-1099	Computer specialists, all other	10,562	11,931	451	\$31.41	1,369	13%	Associate's degree
	Total	10,562	11,931	451	\$31.41	1,369		

**Education, General (Pre-Professional) (Transfer) (TOP 0801.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
25-2011	Preschool teachers, except special education	22,400	26,500	883	\$12.01	4,100	18%	Postsecondary vocational award
	Total	22,400	26,500	883	\$12.01	4,100		

**Educational Aide (Teacher Assistant) (TOP 0802.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
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**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

25-9041	Teacher assistants	65,558	73,518	2,063	\$17.63	7,960	12%	Short-term on-the-job training
	Total	65,558	73,518	2,063	\$17.63	7,960		

**Educational Aide (Teacher Assistant), Bilingual (TOP 0802.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
25-9041	Teacher assistants	65,558	73,518	2,063	\$17.63	7,960	12%	Short-term on-the-job training
	Total	65,558	73,518	2,063	\$17.63	7,960		

**Physical Education (TOP 0835.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9031	Fitness trainers and aerobics instructors	12,084	14,259	498	\$16.36	2,175	18%	Postsecondary vocational award
27-2022	Coaches and scouts	10,434	12,273	498	\$19.81	1,839	18%	Long-term on-the-job training
27-2021	Athletes and sports competitors	2,946	3,502	145	\$20.15	556	19%	Long-term on-the-job training
	Total	25,464	30,035	1,141	\$18.21	4,570		

**Physical Fitness and Body Movement (TOP 0835.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9031	Fitness trainers and aerobics instructors	12,084	14,259	498	\$16.36	2,175	18%	Postsecondary vocational award
27-2022	Coaches and scouts	10,434	12,273	498	\$19.81	1,839	18%	Long-term on-the-job training
27-2021	Athletes and sports competitors	2,946	3,502	145	\$20.15	556	19%	Long-term on-the-job training
	Total	25,464	30,035	1,141	\$18.21	4,570		

**Fitness Trainer (TOP 0835.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9032	Recreation workers	15,385	17,345	533	\$10.33	1,960	13%	Short-term on-the-job training
39-9031	Fitness trainers and aerobics instructors	12,084	14,259	498	\$16.36	2,175	18%	Postsecondary vocational award
27-2022	Coaches and scouts	10,434	12,273	498	\$19.81	1,839	18%	Long-term on-the-job training
	Total	37,902	43,877	1,529	\$14.86	5,974		

**Intercollegiate Athletics (TOP 0835.50)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9031	Fitness trainers and aerobics instructors	12,084	14,259	498	\$16.36	2,175	18%	Postsecondary vocational award
27-2022	Coaches and scouts	10,434	12,273	498	\$19.81	1,839	18%	Long-term on-the-job training
27-2021	Athletes and sports competitors	2,946	3,502	145	\$20.15	556	19%	Long-term on-the-job training

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

Total	25,464	30,035	1,141	\$18.21	4,570		
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**Coaching (TOP 0835.60)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9032	Recreation workers	15,385	17,345	533	\$10.33	1,960	13%	Short-term on-the-job training
39-9031	Fitness trainers and aerobics instructors	12,084	14,259	498	\$16.36	2,175	18%	Postsecondary vocational award
27-2022	Coaches and scouts	10,434	12,273	498	\$19.81	1,839	18%	Long-term on-the-job training
	Total	37,902	43,877	1,529	\$14.86	5,974		

**Aquatics and Lifesaving (TOP 0835.70)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9032	Recreation workers	15,385	17,345	533	\$10.33	1,960	13%	Short-term on-the-job training
27-2023	Umpires, referees, and other sports officials	2,534	3,054	130	\$9.69	520	21%	Long-term on-the-job training
	Total	17,919	20,399	663	\$10.24	2,480		

**Recreation (TOP 0836.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9032	Recreation workers	15,385	17,345	533	\$10.33	1,960	13%	Short-term on-the-job training
27-2023	Umpires, referees, and other sports officials	2,534	3,054	130	\$9.69	520	21%	Long-term on-the-job training
	Total	17,919	20,399	663	\$10.24	2,480		

**Recreation Assistant (TOP 0836.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9032	Recreation workers	15,385	17,345	533	\$10.33	1,960	13%	Short-term on-the-job training
27-2023	Umpires, referees, and other sports officials	2,534	3,054	130	\$9.69	520	21%	Long-term on-the-job training
	Total	17,919	20,399	663	\$10.24	2,480		

**Sign Language (TOP 0850.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Sign Language Interpreting (TOP 0850.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
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**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Educational Technology (TOP 0860.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
25-9011	Audio-visual collections specialists	436	451	14	\$14.51	15	3%	Moderate-term on-the-job training
	Total	436	451	14	\$14.51	15		

**Fine Arts, General (TOP 1001.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-4021	Photographers	47,812	48,878	1,186	\$19.16	1,066	2%	Long-term on-the-job training
27-1019	Artists and related workers, all other	8,698	10,341	409	\$13.99	1,643	19%	Long-term on-the-job training
27-1013	Fine artists, including painters, sculptors, and illustrators	8,601	10,230	405	\$13.35	1,629	19%	Long-term on-the-job training
27-1012	Craft artists	8,195	9,757	387	\$12.20	1,562	19%	Long-term on-the-job training
	Total	73,306	79,206	2,387	\$17.09	5,900		

**Art (Painting, Drawing, and Sculpture) (TOP 1002.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-4021	Photographers	47,812	48,878	1,186	\$19.16	1,066	2%	Long-term on-the-job training
27-1013	Fine artists, including painters, sculptors, and illustrators	8,601	10,230	405	\$13.35	1,629	19%	Long-term on-the-job training
27-1012	Craft artists	8,195	9,757	387	\$12.20	1,562	19%	Long-term on-the-job training
	Total	64,608	68,865	1,978	\$17.50	4,257		

**Painting and Drawing (TOP 1002.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1013	Fine artists, including painters, sculptors, and illustrators	8,601	10,230	405	\$13.35	1,629	19%	Long-term on-the-job training
27-1012	Craft artists	8,195	9,757	387	\$12.20	1,562	19%	Long-term on-the-job training
	Total	16,796	19,987	792	\$12.79	3,191		

**Sculpture (TOP 1002.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1013	Fine artists, including painters, sculptors, and illustrators	8,601	10,230	405	\$13.35	1,629	19%	Long-term on-the-job training

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

27-1012	Craft artists	8,195	9,757	387	\$12.20	1,562	19%	Long-term on-the-job training
	Total	16,796	19,987	792	\$12.79	3,191		

**Ceramics (TOP 1002.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1013	Fine artists, including painters, sculptors, and illustrators	8,601	10,230	405	\$13.35	1,629	19%	Long-term on-the-job training
27-1012	Craft artists	8,195	9,757	387	\$12.20	1,562	19%	Long-term on-the-job training
	Total	16,796	19,987	792	\$12.79	3,191		

**Music (TOP 1004.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-2042	Musicians and singers	19,166	22,348	786	\$13.09	3,182	17%	Long-term on-the-job training
	Total	19,166	22,348	786	\$13.09	3,182		

**Dramatic Arts (TOP 1007.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-2099	Entertainers and performers, sports and related workers, all other	25,896	29,037	1,219	\$13.08	3,141	12%	Long-term on-the-job training
27-2011	Actors	17,970	19,960	619	\$24.17	1,990	11%	Long-term on-the-job training
	Total	43,866	48,998	1,838	\$17.62	5,131		

**Dance (TOP 1008.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-2032	Choreographers	1,692	1,859	114	\$17.05	167	10%	Work experience in a related field
27-2031	Dancers	1,684	1,964	128	\$11.69	280	17%	Long-term on-the-job training
	Total	3,376	3,823	242	\$14.38	447		

**Commercial Dance (TOP 1008.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-2032	Choreographers	1,692	1,859	114	\$17.05	167	10%	Work experience in a related field
27-2031	Dancers	1,684	1,964	128	\$11.69	280	17%	Long-term on-the-job training
	Total	3,376	3,823	242	\$14.38	447		

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

**Jewelry (TOP 1009.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1012	Craft artists	8,195	9,757	387	\$12.20	1,562	19%	Long-term on-the-job training
	Total	8,195	9,757	387	\$12.20	1,562		

**Photography (TOP 1011.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-4021	Photographers	47,812	48,878	1,186	\$19.16	1,066	2%	Long-term on-the-job training
	Total	47,812	48,878	1,186	\$19.16	1,066		

**Applied Photography (TOP 1012.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-4021	Photographers	47,812	48,878	1,186	\$19.16	1,066	2%	Long-term on-the-job training
	Total	47,812	48,878	1,186	\$19.16	1,066		

**Commercial Art (TOP 1013.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1019	Artists and related workers, all other	8,698	10,341	409	\$13.99	1,643	19%	Long-term on-the-job training
	Total	8,698	10,341	409	\$13.99	1,643		

**Graphic Art and Design (TOP 1030.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1019	Artists and related workers, all other	8,698	10,341	409	\$13.99	1,643	19%	Long-term on-the-job training
51-5022	Prepress technicians and workers	3,175	2,978	117	\$19.39	-197	-6%	Postsecondary vocational award
51-9123	Painting, coating, and decorating workers	1,287	1,375	36	\$13.76	88	7%	Short-term on-the-job training
	Total	13,160	14,694	562	\$15.27	1,534		

**Other Fine and Applied Arts (TOP 1099.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-2042	Musicians and singers	19,166	22,348	786	\$13.09	3,182	17%	Long-term on-the-job training
27-1019	Artists and related workers, all other	8,698	10,341	409	\$13.99	1,643	19%	Long-term on-the-job training
	Total	27,863	32,690	1,195	\$13.37	4,825		

**Foreign Languages, General (TOP 1101.00)**

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**French (TOP 1102.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**German (TOP 1103.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Italian (TOP 1104.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Spanish (TOP 1105.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Russian (TOP 1106.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Chinese (TOP 1107.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

Total	8,502	8,982	262	\$21.92	480		
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**Japanese (TOP 1108.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Latin (TOP 1109.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Greek (TOP 1110.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Hebrew (TOP 1111.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Arabic (TOP 1112.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**African Languages (Non-Semitic) (TOP 1116.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Asian, South Asian, and Pacific Islands (Chinese and Japanese excluded) (TOP 1117.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Filipino (Tagalog) (TOP 1117.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Vietnamese (TOP 1117.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Korean (TOP 1117.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Portuguese (TOP 1119.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Other Foreign Languages (TOP 1199.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	Total	8,502	8,982	262	\$21.92	480		

**Interior Design and Merchandising (TOP 1302.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1025	Interior designers	6,437	8,074	376	\$20.63	1,637	25%	Associate's degree
	Total	6,437	8,074	376	\$20.63	1,637		

**Fashion (TOP 1303.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
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**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

51-6031	Sewing machine operators	37,671	33,896	1,387	\$9.44	-3,775	-10%	Moderate-term on-the-job training
51-6011	Laundry and dry-cleaning workers	11,820	13,305	451	\$9.36	1,485	13%	Moderate-term on-the-job training
51-6052	Tailors, dressmakers, and custom sewers	6,776	7,468	200	\$13.73	692	10%	Long-term on-the-job training
51-6051	Sewers, hand	5,383	5,935	225	\$13.43	552	10%	Short-term on-the-job training
51-6021	Pressers, textile, garment, and related materials	4,788	4,697	56	\$9.53	-91	-2%	Short-term on-the-job training
51-6061	Textile bleaching and dyeing machine operators and tenders	3,458	3,570	168	\$9.28	112	3%	Moderate-term on-the-job training
51-6091	Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	309	255	12	\$11.86	-54	-17%	Moderate-term on-the-job training
	<b>Total</b>	<b>70,205</b>	<b>69,125</b>	<b>2,499</b>	<b>\$10.16</b>	<b>-1,079</b>		

**Fashion Design (TOP 1303.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-1022	Fashion designers	6,129	7,275	306	\$23.95	1,146	19%	Associate's degree
	<b>Total</b>	<b>6,129</b>	<b>7,275</b>	<b>306</b>	<b>\$23.95</b>	<b>1,146</b>		

**Fashion Merchandising (TOP 1303.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
13-1022	Wholesale and retail buyers, except farm products	9,261	9,785	274	\$25.01	524	6%	Work experience in a related field
	<b>Total</b>	<b>9,261</b>	<b>9,785</b>	<b>274</b>	<b>\$25.01</b>	<b>524</b>		

**Fashion Production (TOP 1303.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
51-6031	Sewing machine operators	37,671	33,896	1,387	\$9.44	-3,775	-10%	Moderate-term on-the-job training
51-6052	Tailors, dressmakers, and custom sewers	6,776	7,468	200	\$13.73	692	10%	Long-term on-the-job training
27-1022	Fashion designers	6,129	7,275	306	\$23.95	1,146	19%	Associate's degree
51-6051	Sewers, hand	5,383	5,935	225	\$13.43	552	10%	Short-term on-the-job training
51-6061	Textile bleaching and dyeing machine operators and tenders	3,458	3,570	168	\$9.28	112	3%	Moderate-term on-the-job training
51-6092	Fabric and apparel patternmakers	2,024	1,774	98	\$24.38	-250	-12%	Long-term on-the-job training
51-6099	Textile, apparel, and furnishings workers, all other	1,256	1,022	50	\$9.24	-234	-19%	Short-term on-the-job training

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

51-6091	Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	309	255	12	\$11.86	-54	-17%	Moderate-term on-the-job training
	<b>Total</b>	<b>63,005</b>	<b>61,195</b>	<b>2,446</b>	<b>\$12.14</b>	<b>-1,811</b>		

**Child Development/Early Care and Education (TOP 1305.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9011	Child care workers	115,487	138,049	6,137	\$9.10	22,562	20%	Short-term on-the-job training
25-2011	Preschool teachers, except special education	22,400	26,500	883	\$12.01	4,100	18%	Postsecondary vocational award
21-1093	Social and human service assistants	9,342	11,540	383	\$14.72	2,198	24%	Moderate-term on-the-job training
	<b>Total</b>	<b>147,229</b>	<b>176,088</b>	<b>7,403</b>	<b>\$9.90</b>	<b>28,860</b>		

**Nutrition, Foods, and Culinary Arts (TOP 1306.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9021	Personal and home care aides	43,938	53,693	1,964	\$9.78	9,755	22%	Short-term on-the-job training
29-2051	Dietetic technicians	835	955	40	\$14.18	120	14%	Moderate-term on-the-job training
	<b>Total</b>	<b>44,773</b>	<b>54,649</b>	<b>2,004</b>	<b>\$9.86</b>	<b>9,875</b>		

**Dietetic Services and Management (TOP 1306.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
35-1012	First-line supervisors/managers of food preparation and serving workers	35,115	40,283	910	\$13.49	5,168	15%	Work experience in a related field
35-2012	Cooks, institution and cafeteria	8,642	9,509	342	\$12.38	867	10%	Moderate-term on-the-job training
51-3092	Food batchmakers	6,472	7,221	259	\$9.97	749	12%	Short-term on-the-job training
	<b>Total</b>	<b>50,229</b>	<b>57,013</b>	<b>1,511</b>	<b>\$12.85</b>	<b>6,784</b>		

**Culinary Arts (TOP 1306.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
39-9021	Personal and home care aides	43,938	53,693	1,964	\$9.78	9,755	22%	Short-term on-the-job training
35-2021	Food preparation workers	38,830	45,633	2,197	\$9.20	6,803	18%	Short-term on-the-job training
35-2014	Cooks, restaurant	36,463	42,032	1,684	\$11.37	5,569	15%	Long-term on-the-job training
35-1012	First-line supervisors/managers of food preparation and serving workers	35,115	40,283	910	\$13.49	5,168	15%	Work experience in a related field

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

35-2012	Cooks, institution and cafeteria	8,642	9,509	342	\$12.38	867	10%	Moderate-term on-the-job training
35-1011	Chefs and head cooks	5,783	6,489	162	\$18.73	706	12%	Work experience in a related field
35-2019	Cooks, all other	1,463	1,651	63	\$14.82	188	13%	Moderate-term on-the-job training
	Total	170,234	199,291	7,322	\$11.23	29,056		

**Dietetic Technology (TOP 1306.60)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
29-2051	Dietetic technicians	835	955	40	\$14.18	120	14%	Moderate-term on-the-job training
	Total	835	955	40	\$14.18	120		

**Hospitality (TOP 1307.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9051	Food service managers	30,174	35,670	1,399	\$18.42	5,496	18%	Work experience in a related field
11-9081	Lodging managers	4,922	6,007	244	\$20.40	1,085	22%	Work experience in a related field
	Total	35,096	41,677	1,643	\$18.70	6,581		

**Restaurant and Food Services and Management (TOP 1307.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
35-1012	First-line supervisors/managers of food preparation and serving workers	35,115	40,283	910	\$13.49	5,168	15%	Work experience in a related field
11-9051	Food service managers	30,174	35,670	1,399	\$18.42	5,496	18%	Work experience in a related field
	Total	65,289	75,953	2,309	\$15.77	10,664		

**Lodging Management (TOP 1307.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9051	Food service managers	30,174	35,670	1,399	\$18.42	5,496	18%	Work experience in a related field
11-9081	Lodging managers	4,922	6,007	244	\$20.40	1,085	22%	Work experience in a related field
39-9041	Residential advisors	468	525	20	\$11.93	57	12%	Moderate-term on-the-job training
	Total	35,564	42,202	1,664	\$18.61	6,638		

**Resort and Club Management (TOP 1307.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9081	Lodging managers	4,922	6,007	244	\$20.40	1,085	22%	Work experience in a related field
	Total	4,922	6,007	244	\$20.40	1,085		

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

**Law, General (TOP 1401.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	11,697	12,687	260	\$25.40	990	8%	Long-term on-the-job training
	<b>Total</b>	<b>11,697</b>	<b>12,687</b>	<b>260</b>	<b>\$25.40</b>	<b>990</b>		

**Paralegal (TOP 1402.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
23-2011	Paralegals and legal assistants	12,263	15,016	505	\$27.04	2,753	22%	Associate's degree
23-2093	Title examiners, abstractors, and searchers	3,229	3,460	86	\$25.06	231	7%	Moderate-term on-the-job training
	<b>Total</b>	<b>15,493</b>	<b>18,476</b>	<b>592</b>	<b>\$26.63</b>	<b>2,984</b>		

**Other Law (TOP 1499.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	11,697	12,687	260	\$25.40	990	8%	Long-term on-the-job training
	<b>Total</b>	<b>11,697</b>	<b>12,687</b>	<b>260</b>	<b>\$25.40</b>	<b>990</b>		

**Linguistics (TOP 1501.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	<b>Total</b>	<b>8,502</b>	<b>8,982</b>	<b>262</b>	<b>\$21.92</b>	<b>480</b>		

**Classics (TOP 1504.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	<b>Total</b>	<b>8,502</b>	<b>8,982</b>	<b>262</b>	<b>\$21.92</b>	<b>480</b>		

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

**Public Administration (TOP 2102.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
11-3071	Transportation, storage, and distribution managers	4,897	5,530	224	\$35.30	633	13%	Work experience in a related field
13-1061	Emergency management specialists	277	309	7	\$26.14	32	12%	Work experience in a related field
11-9131	Postmasters and mail superintendents	100	92	3	\$41.29	-8	-8%	Work experience in a related field
	<b>Total</b>	<b>93,362</b>	<b>104,936</b>	<b>3,351</b>	<b>\$25.24</b>	<b>11,573</b>		

**Public Works (TOP 2102.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
47-2061	Construction laborers	50,994	57,878	1,244	\$18.97	6,884	13%	Moderate-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	29,723	33,228	853	\$30.16	3,505	12%	Work experience in a related field
47-2161	Plasterers and stucco masons	4,061	4,284	123	\$21.22	223	5%	Long-term on-the-job training
47-2221	Structural iron and steel workers	2,624	2,879	117	\$26.56	255	10%	Long-term on-the-job training
47-2041	Carpet installers	2,446	2,683	68	\$21.32	237	10%	Moderate-term on-the-job training
47-2082	Tapers	2,429	2,626	58	\$24.85	197	8%	Moderate-term on-the-job training
47-4099	Construction and related workers, all other	2,313	2,529	87	\$16.38	216	9%	Moderate-term on-the-job training
47-4041	Hazardous materials removal workers	1,999	1,875	43	\$18.60	-124	-6%	Moderate-term on-the-job training
47-2042	Floor layers, except carpet, wood, and hard tiles	1,615	1,704	54	\$23.19	89	6%	Moderate-term on-the-job training
47-4031	Fence erectors	988	1,109	35	\$19.22	121	12%	Moderate-term on-the-job training
47-2043	Floor sanders and finishers	967	1,061	28	\$25.65	94	10%	Moderate-term on-the-job training
47-2131	Insulation workers, floor, ceiling, and wall	940	995	28	\$20.36	55	6%	Moderate-term on-the-job training
47-2171	Reinforcing iron and rebar workers	782	877	32	\$19.72	95	12%	Long-term on-the-job training
47-2132	Insulation workers, mechanical	614	635	17	\$21.23	21	3%	Moderate-term on-the-job training
	<b>Total</b>	<b>102,495</b>	<b>114,363</b>	<b>2,787</b>	<b>\$22.79</b>	<b>11,868</b>		

**Human Services (TOP 2104.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
	<b>Total</b>	<b>88,088</b>	<b>99,004</b>	<b>3,117</b>	<b>\$24.65</b>	<b>10,916</b>		

**Disability Services (TOP 2104.50)**

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
	<b>Total</b>	<b>88,088</b>	<b>99,004</b>	<b>3,117</b>	<b>\$24.65</b>	<b>10,916</b>		

**Administration of Justice (TOP 2105.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-3051	Police and sheriff's patrol officers	24,011	27,469	1,074	\$37.39	3,458	14%	Long-term on-the-job training
33-3021	Detectives and criminal investigators	2,749	3,360	137	\$29.65	611	22%	Work experience in a related field
33-9021	Private detectives and investigators	2,499	3,068	120	\$19.09	569	23%	Work experience in a related field
33-9031	Gaming surveillance officers and gaming investigators	1,015	1,261	51	\$12.23	246	24%	Moderate-term on-the-job training
33-3011	Bailiffs	49	57	2	\$15.00	8	16%	Moderate-term on-the-job training
	<b>Total</b>	<b>30,323</b>	<b>35,214</b>	<b>1,384</b>	<b>\$34.30</b>	<b>4,892</b>		

**Corrections (TOP 2105.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-3012	Correctional officers and jailers	7,923	9,135	333	\$20.72	1,212	15%	Moderate-term on-the-job training
33-1012	First-line supervisors/managers of police and detectives	2,755	3,141	134	\$53.70	386	14%	Work experience in a related field
33-1011	First-line supervisors/managers of correctional officers	388	442	17	\$36.79	54	14%	Work experience in a related field
	<b>Total</b>	<b>11,066</b>	<b>12,718</b>	<b>484</b>	<b>\$29.49</b>	<b>1,652</b>		

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

**Probation and Parole (TOP 2105.20)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-3012	Correctional officers and jailers	7,923	9,135	333	\$20.72	1,212	15%	Moderate-term on-the-job training
	Total	7,923	9,135	333	\$20.72	1,212		

**Industrial and Transportation Security (TOP 2105.30)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-9032	Security guards	64,984	75,580	2,643	\$10.97	10,596	16%	Short-term on-the-job training
33-9031	Gaming surveillance officers and gaming investigators	1,015	1,261	51	\$12.23	246	24%	Moderate-term on-the-job training
33-3052	Transit and railroad police	122	141	6	\$14.41	19	16%	Long-term on-the-job training
	Total	66,121	76,981	2,700	\$11.00	10,861		

**Forensics, Evidence, and Investigation (TOP 2105.40)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-9031	Gaming surveillance officers and gaming investigators	1,015	1,261	51	\$12.23	246	24%	Moderate-term on-the-job training
19-4092	Forensic science technicians	614	789	45	\$31.07	175	28%	Associate's degree
	Total	1,629	2,050	97	\$19.33	421		

**Police Academy (TOP 2105.50)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-3051	Police and sheriff's patrol officers	24,011	27,469	1,074	\$37.39	3,458	14%	Long-term on-the-job training
33-3021	Detectives and criminal investigators	2,749	3,360	137	\$29.65	611	22%	Work experience in a related field
33-9021	Private detectives and investigators	2,499	3,068	120	\$19.09	569	23%	Work experience in a related field
33-9031	Gaming surveillance officers and gaming investigators	1,015	1,261	51	\$12.23	246	24%	Moderate-term on-the-job training
33-3011	Bailiffs	49	57	2	\$15.00	8	16%	Moderate-term on-the-job training
	Total	30,323	35,214	1,384	\$34.30	4,892		

**Fire Technology (TOP 2133.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-2011	Fire fighters	7,707	8,862	425	\$35.79	1,155	15%	Long-term on-the-job training
33-2021	Fire inspectors and investigators	254	292	10	\$42.12	38	15%	Work experience in a related field
33-2022	Forest fire inspectors and prevention specialists	17	19	1	\$13.14	2	12%	Work experience in a related field
	Total	7,977	9,172	436	\$35.95	1,195		

**Occupations/Jobs for which LAMC Currently Trains  
(LAMC has TOP Code or related TOP Code)**

**Wildland Fire Technology (TOP 2133.10)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-2011	Fire fighters	7,707	8,862	425	\$35.79	1,155	15%	Long-term on-the-job training
33-2021	Fire inspectors and investigators	254	292	10	\$42.12	38	15%	Work experience in a related field
33-2022	Forest fire inspectors and prevention specialists	17	19	1	\$13.14	2	12%	Work experience in a related field
	<b>Total</b>	<b>7,977</b>	<b>9,172</b>	<b>436</b>	<b>\$35.95</b>	<b>1,195</b>		

**Fire Academy (TOP 2133.50)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
33-2011	Fire fighters	7,707	8,862	425	\$35.79	1,155	15%	Long-term on-the-job training
33-2021	Fire inspectors and investigators	254	292	10	\$42.12	38	15%	Work experience in a related field
33-2022	Forest fire inspectors and prevention specialists	17	19	1	\$13.14	2	12%	Work experience in a related field
	<b>Total</b>	<b>7,977</b>	<b>9,172</b>	<b>436</b>	<b>\$35.95</b>	<b>1,195</b>		

**Legal and Community Interpretation (TOP 2140.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
27-3091	Interpreters and translators	8,502	8,982	262	\$21.92	480	6%	Long-term on-the-job training
	<b>Total</b>	<b>8,502</b>	<b>8,982</b>	<b>262</b>	<b>\$21.92</b>	<b>480</b>		

**Other Public and Protective Services (TOP 2199.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
11-9199	Managers, all other	88,088	99,004	3,117	\$24.65	10,916	12%	Work experience in a related field
	<b>Total</b>	<b>88,088</b>	<b>99,004</b>	<b>3,117</b>	<b>\$24.65</b>	<b>10,916</b>		

**Social Sciences, General (TOP 2201.00)**

SOC Code	Description	2009 Jobs	2017 Jobs	Annual Openings	Current Hourly Earnings	Change	% Change	Education Level
19-4061	Social science research assistants	706	840	44	\$17.16	134	19%	Associate's degree
	<b>Total</b>	<b>706</b>	<b>840</b>	<b>44</b>	<b>\$17.16</b>	<b>134</b>		