

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
na	na	<b>Total, all employed adults, ages 16–75, not employed in military occupations</b>	155,423,256	98,895,016	56,528,240	36,094,305	19,853,466	16,240,839	119,328,951	79,041,550	40,287,401
na	na	<b>Architecture and engineering occupations</b>	3,289,722	1,007,416	2,282,306	3,289,722	1,007,416	2,282,306	na	na	na
S&E-related	1305	Architects, except landscape and naval	204,781	18,129	186,652	204,781	18,129	186,652	na	na	na
S&E-related	1306	Landscape architects	32,308	4,999	27,309	32,308	4,999	27,309	na	na	na
S&E-related	1310	Surveyors, cartographers, and photogrammetrists	38,655	10,662	27,993	38,655	10,662	27,993	na	na	na
S&E	1320	Aerospace engineers	134,130	14,746	119,384	134,130	14,746	119,384	na	na	na
S&E	1340	Biomedical and agricultural engineers	19,041	3,325	15,716	19,041	3,325	15,716	na	na	na
S&E	1350	Chemical engineers	75,494	9,397	66,097	75,494	9,397	66,097	na	na	na
S&E	1360	Civil engineers	417,287	50,802	366,485	417,287	50,802	366,485	na	na	na
S&E	1400	Computer hardware engineers	61,250	12,968	48,282	61,250	12,968	48,282	na	na	na
S&E	1410	Electrical and electronics engineers	258,884	42,004	216,880	258,884	42,004	216,880	na	na	na
S&E	1420	Environmental engineers	30,504	3,017	27,487	30,504	3,017	27,487	na	na	na
S&E	1430	Industrial engineers, including health and safety	254,929	65,381	189,548	254,929	65,381	189,548	na	na	na
S&E	1440	Marine engineers and naval architects	12,676	3,725	8,951	12,676	3,725	8,951	na	na	na
S&E	1450	Materials engineers	50,967	11,598	39,369	50,967	11,598	39,369	na	na	na
S&E	1460	Mechanical engineers	332,721	64,104	268,617	332,721	64,104	268,617	na	na	na
S&E	1520	Petroleum, mining, and geological engineers, including mining safety engineers	36,704	5,286	31,418	36,704	5,286	31,418	na	na	na
S&E	1530	Other engineers	601,601	109,624	491,977	601,601	109,624	491,977	na	na	na
S&E-related	1541	Architectural and civil drafters	53,913	35,557	18,356	53,913	35,557	18,356	na	na	na
S&E-related	1545	Other drafters	95,332	66,468	28,864	95,332	66,468	28,864	na	na	na
S&E-related	1551	Electrical and electronic engineering technologists and technicians	110,798	94,665	16,133	110,798	94,665	16,133	na	na	na
S&E-related	1555	Other engineering technologists and technicians, except drafters	396,227	316,601	79,626	396,227	316,601	79,626	na	na	na
S&E-related	1560	Surveying and mapping technicians	71,520	64,358	7,162	71,520	64,358	7,162	na	na	na
na	na	<b>Arts, design, entertainment, sports, and media occupations</b>	3,162,951	1,231,773	1,931,178	446,150	204,632	241,518	2,716,801	1,027,141	1,689,660
Non-STEM	2600	Artists and related workers	255,633	115,670	139,963	na	na	na	255,633	115,670	139,963
Non-STEM	2631	Commercial and industrial designers	16,162	4,140	12,022	na	na	na	16,162	4,140	12,022

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(Number)

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			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	2632	Fashion designers	32,734	11,291	21,443	na	na	na	32,734	11,291	21,443
Non-STEM	2633	Floral designers	62,556	50,065	12,491	na	na	na	62,556	50,065	12,491
Non-STEM	2634	Graphic designers	321,243	110,357	210,886	na	na	na	321,243	110,357	210,886
Non-STEM	2635	Interior designers	104,923	35,436	69,487	na	na	na	104,923	35,436	69,487
Non-STEM	2636	Merchandise displayers and window trimmers	20,709	14,135	6,574	na	na	na	20,709	14,135	6,574
Non-STEM	2640	Other designers	345,090	136,979	208,111	na	na	na	345,090	136,979	208,111
Non-STEM	2700	Actors	50,272	19,787	30,485	na	na	na	50,272	19,787	30,485
Non-STEM	2710	Producers and directors	172,311	43,088	129,223	na	na	na	172,311	43,088	129,223
Non-STEM	2721	Athletes and sports competitors	39,562	17,137	22,425	na	na	na	39,562	17,137	22,425
Non-STEM	2722	Coaches and scouts	243,056	112,688	130,368	na	na	na	243,056	112,688	130,368
Non-STEM	2723	Umpires, referees, and other sports officials	19,961	14,137	5,824	na	na	na	19,961	14,137	5,824
Non-STEM	2740	Dancers and choreographers	26,945	19,334	7,611	na	na	na	26,945	19,334	7,611
Non-STEM	2751	Music directors and composers	48,667	15,518	33,149	na	na	na	48,667	15,518	33,149
Non-STEM	2752	Musicians and singers	154,666	71,311	83,355	na	na	na	154,666	71,311	83,355
Non-STEM	2755	Disc jockeys, except radio	16,986	13,416	3,570	na	na	na	16,986	13,416	3,570
Non-STEM	2770	Entertainers and performers, sports and related workers, all other	48,675	29,805	18,870	na	na	na	48,675	29,805	18,870
Non-STEM	2805	Broadcast announcers and radio disc jockeys	29,332	14,347	14,985	na	na	na	29,332	14,347	14,985
Non-STEM	2810	News analysts, reporters, and journalists	80,123	14,854	65,269	na	na	na	80,123	14,854	65,269
Non-STEM	2825	Public relations specialists	122,914	21,220	101,694	na	na	na	122,914	21,220	101,694
Non-STEM	2830	Editors	139,537	24,631	114,906	na	na	na	139,537	24,631	114,906
Middle skill	2840	Technical writers	62,540	14,176	48,364	62,540	14,176	48,364	na	na	na
Non-STEM	2850	Writers and authors	215,619	38,923	176,696	na	na	na	215,619	38,923	176,696
Non-STEM	2861	Interpreters and translators	100,160	47,460	52,700	na	na	na	100,160	47,460	52,700
Non-STEM	2862	Court reporters and simultaneous captioners	28,595	25,048	3,547	na	na	na	28,595	25,048	3,547
Non-STEM	2865	Media and communication workers, all other	20,370	6,364	14,006	na	na	na	20,370	6,364	14,006
Middle skill	2905	Other media and communication equipment workers	99,424	55,729	43,695	99,424	55,729	43,695	na	na	na
Middle skill	2910	Photographers	179,656	94,785	84,871	179,656	94,785	84,871	na	na	na

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(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
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Middle skill	2920	Television, video, and film camera operators and editors	104,530	39,942	64,588	104,530	39,942	64,588	na	na	na
na	na	<b>Building and grounds cleaning and maintenance occupations</b>	5,712,811	5,312,939	399,872	na	na	na	5,712,811	5,312,939	399,872
Non-STEM	4200	First-line supervisors of housekeeping and janitorial workers	260,175	223,082	37,093	na	na	na	260,175	223,082	37,093
Non-STEM	4210	First-line supervisors of landscaping, lawn service, and groundskeeping workers	159,839	135,980	23,859	na	na	na	159,839	135,980	23,859
Non-STEM	4220	Janitors and building cleaners	2,445,529	2,291,491	154,038	na	na	na	2,445,529	2,291,491	154,038
Non-STEM	4230	Maids and housekeeping cleaners	1,477,041	1,395,308	81,733	na	na	na	1,477,041	1,395,308	81,733
Non-STEM	4240	Pest control workers	87,969	80,228	7,741	na	na	na	87,969	80,228	7,741
Non-STEM	4251	Landscaping and groundskeeping workers	1,166,073	1,082,886	83,187	na	na	na	1,166,073	1,082,886	83,187
Non-STEM	4252	Tree trimmers and pruners	95,624	85,520	10,104	na	na	na	95,624	85,520	10,104
Non-STEM	4255	Other grounds maintenance workers	20,561	18,444	2,117	na	na	na	20,561	18,444	2,117
na	na	<b>Business operations specialists</b>	5,210,091	1,898,481	3,311,610	181,055	101,849	79,206	5,029,036	1,796,632	3,232,404
Non-STEM	500	Agents and business managers of artists, performers, and athletes	46,315	15,864	30,451	na	na	na	46,315	15,864	30,451
Non-STEM	510	Buyers and purchasing agents, farm products	8,073	4,542	3,531	na	na	na	8,073	4,542	3,531
Non-STEM	520	Wholesale and retail buyers, except farm products	208,812	134,690	74,122	na	na	na	208,812	134,690	74,122
Non-STEM	530	Purchasing agents, except wholesale, retail, and farm products	282,256	142,245	140,011	na	na	na	282,256	142,245	140,011
Non-STEM	540	Claims adjusters, appraisers, examiners, and investigators	345,079	166,700	178,379	na	na	na	345,079	166,700	178,379
Non-STEM	565	Compliance officers	292,968	107,910	185,058	na	na	na	292,968	107,910	185,058
Non-STEM	600	Cost estimators	158,745	98,684	60,061	na	na	na	158,745	98,684	60,061
Non-STEM	630	Human resources workers	883,067	317,335	565,732	na	na	na	883,067	317,335	565,732
Non-STEM	640	Compensation, benefits, and job analysis specialists	73,671	34,457	39,214	na	na	na	73,671	34,457	39,214
Non-STEM	650	Training and development specialists	158,481	77,247	81,234	na	na	na	158,481	77,247	81,234
S&E	700	Logisticians	181,055	101,849	79,206	181,055	101,849	79,206	na	na	na
Non-STEM	705	Project management specialists	662,087	194,057	468,030	na	na	na	662,087	194,057	468,030
Non-STEM	710	Management analysts	927,686	206,526	721,160	na	na	na	927,686	206,526	721,160
Non-STEM	725	Meeting, convention, and event planners	155,587	59,601	95,986	na	na	na	155,587	59,601	95,986

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Non-STEM	726	Fundraisers	79,168	10,712	68,456	na	na	na	79,168	10,712	68,456
Non-STEM	735	Market research analysts and marketing specialists	359,807	86,326	273,481	na	na	na	359,807	86,326	273,481
Non-STEM	750	Business operations specialists, all other	387,234	139,736	247,498	na	na	na	387,234	139,736	247,498
na	na	<b>Community and social services occupations</b>	4,598,522	1,077,974	3,520,548	na	na	na	4,598,522	1,077,974	3,520,548
Non-STEM	2001	Substance abuse and behavioral disorder counselors	133,467	35,887	97,580	na	na	na	133,467	35,887	97,580
Non-STEM	2002	Educational, guidance, and career counselors and advisors	369,799	64,618	305,181	na	na	na	369,799	64,618	305,181
Non-STEM	2003	Marriage and family therapists	34,665	5,210	29,455	na	na	na	34,665	5,210	29,455
Non-STEM	2004	Mental health counselors	124,231	16,318	107,913	na	na	na	124,231	16,318	107,913
Non-STEM	2005	Rehabilitation counselors	25,933	9,217	16,716	na	na	na	25,933	9,217	16,716
Non-STEM	2006	Counselors, all other	204,647	58,531	146,116	na	na	na	204,647	58,531	146,116
Non-STEM	2011	Child, family, and school social workers	70,560	17,135	53,425	na	na	na	70,560	17,135	53,425
Non-STEM	2012	Health care social workers	82,110	31,592	50,518	na	na	na	82,110	31,592	50,518
Non-STEM	2013	Mental health and substance abuse social workers	20,650	1,445	19,205	na	na	na	20,650	1,445	19,205
Non-STEM	2014	Social workers, all other	711,071	137,937	573,134	na	na	na	711,071	137,937	573,134
Non-STEM	2015	Probation officers and correctional treatment specialists	96,493	15,346	81,147	na	na	na	96,493	15,346	81,147
Non-STEM	2016	Social and human service assistants	233,742	120,001	113,741	na	na	na	233,742	120,001	113,741
Non-STEM	2025	Other community and social service specialists	96,737	39,981	56,756	na	na	na	96,737	39,981	56,756
Non-STEM	2040	Clergy	448,162	106,305	341,857	na	na	na	448,162	106,305	341,857
Non-STEM	2050	Directors, religious activities and education	81,999	28,956	53,043	na	na	na	81,999	28,956	53,043
Non-STEM	2060	Religious workers, all other	93,564	42,412	51,152	na	na	na	93,564	42,412	51,152
Non-STEM	2100	Lawyers and judges, magistrates, and other judicial workers	1,161,154	24,411	1,136,743	na	na	na	1,161,154	24,411	1,136,743
Non-STEM	2105	Judicial law clerks	25,708	5,592	20,116	na	na	na	25,708	5,592	20,116
Non-STEM	2145	Paralegals and legal assistants	433,823	232,610	201,213	na	na	na	433,823	232,610	201,213
Non-STEM	2170	Title examiners, abstractors, and searchers	94,264	61,299	32,965	na	na	na	94,264	61,299	32,965
Non-STEM	2180	Legal support workers, all other	55,743	23,171	32,572	na	na	na	55,743	23,171	32,572

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<b>na</b>	<b>na</b>	<b>Computer and mathematical occupations</b>	5,236,839	1,587,443	3,649,396	5,236,839	1,587,443	3,649,396	na	na	na
S&E	1005	Computer and information research scientists	35,150	3,076	32,074	35,150	3,076	32,074	na	na	na
S&E	1006	Computer systems analysts	616,467	161,132	455,335	616,467	161,132	455,335	na	na	na
S&E	1007	Information security analysts	134,584	44,167	90,417	134,584	44,167	90,417	na	na	na
S&E-related	1010	Computer programmers	335,924	96,993	238,931	335,924	96,993	238,931	na	na	na
S&E	1021	Software developers	1,649,176	230,953	1,418,223	1,649,176	230,953	1,418,223	na	na	na
S&E	1022	Software quality assurance analysts and testers	71,800	20,304	51,496	71,800	20,304	51,496	na	na	na
S&E	1031	Web developers	103,454	34,457	68,997	103,454	34,457	68,997	na	na	na
S&E	1032	Web and digital interface designers	72,954	23,356	49,598	72,954	23,356	49,598	na	na	na
S&E	1050	Computer support specialists	664,080	356,059	308,021	664,080	356,059	308,021	na	na	na
S&E	1065	Database administrators and architects	122,746	32,039	90,707	122,746	32,039	90,707	na	na	na
S&E	1105	Network and computer systems administrators	231,818	105,559	126,259	231,818	105,559	126,259	na	na	na
S&E	1106	Computer network architects	116,626	52,628	63,998	116,626	52,628	63,998	na	na	na
S&E	1108	Computer occupations, all other	702,054	352,263	349,791	702,054	352,263	349,791	na	na	na
S&E-related	1200	Actuaries	33,508	849	32,659	33,508	849	32,659	na	na	na
S&E	1220	Operations research analysts	162,923	42,043	120,880	162,923	42,043	120,880	na	na	na
S&E	1240	Other mathematical science occupations	183,575	31,565	152,010	183,575	31,565	152,010	na	na	na
<b>na</b>	<b>na</b>	<b>Construction trades</b>	7,883,711	7,361,963	521,748	4,353,733	4,033,941	319,792	3,529,978	3,328,022	201,956
Middle skill	6200	First-line supervisors of construction trades and extraction workers	654,944	590,587	64,357	654,944	590,587	64,357	na	na	na
Middle skill	6210	Boilermakers	18,581	18,018	563	18,581	18,018	563	na	na	na
Middle skill	6220	Brickmasons, blockmasons, stonemasons, and reinforcing iron and rebar workers	150,455	145,959	4,496	150,455	145,959	4,496	na	na	na
Middle skill	6230	Carpenters	1,292,799	1,200,692	92,107	1,292,799	1,200,692	92,107	na	na	na
Non-STEM	6240	Carpet, floor, and tile installers and finishers	147,657	140,650	7,007	na	na	na	147,657	140,650	7,007
Non-STEM	6250	Cement masons, concrete finishers, and terrazzo workers	66,156	64,730	1,426	na	na	na	66,156	64,730	1,426
Non-STEM	6260	Construction laborers	1,858,299	1,740,622	117,677	na	na	na	1,858,299	1,740,622	117,677
Non-STEM	6305	Construction equipment operators	397,241	385,495	11,746	na	na	na	397,241	385,495	11,746

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Middle skill	6330	Drywall installers, ceiling tile installers, and tapers	136,403	133,822	2,581	136,403	133,822	2,581	na	na	na
Middle skill	6355	Electricians	944,035	871,532	72,503	944,035	871,532	72,503	na	na	na
Middle skill	6360	Glaziers	46,564	44,649	1,915	46,564	44,649	1,915	na	na	na
Non-STEM	6400	Insulation workers	48,146	46,076	2,070	na	na	na	48,146	46,076	2,070
Non-STEM	6410	Painters and paperhangers	596,152	558,595	37,557	na	na	na	596,152	558,595	37,557
Middle skill	6441	Pipelayers	55,346	53,629	1,717	55,346	53,629	1,717	na	na	na
Middle skill	6442	Plumbers, pipefitters, and steamfitters	599,347	564,225	35,122	599,347	564,225	35,122	na	na	na
Non-STEM	6460	Plasterers and stucco masons	26,136	25,243	893	na	na	na	26,136	25,243	893
Middle skill	6515	Roofers	241,635	233,664	7,971	241,635	233,664	7,971	na	na	na
Non-STEM	6520	Sheet metal workers	142,866	134,372	8,494	na	na	na	142,866	134,372	8,494
Middle skill	6530	Structural iron and steel workers	68,610	66,697	1,913	68,610	66,697	1,913	na	na	na
Middle skill	6540	Solar photovoltaic installers	12,364	10,469	1,895	12,364	10,469	1,895	na	na	na
Non-STEM	6600	Helpers, construction trades	41,971	39,252	2,719	na	na	na	41,971	39,252	2,719
Middle skill	6660	Construction and building inspectors	103,098	73,741	29,357	103,098	73,741	29,357	na	na	na
Middle skill	6700	Elevator and escalator installers and repairers	29,552	26,257	3,295	29,552	26,257	3,295	na	na	na
Non-STEM	6710	Fence erectors	29,486	28,047	1,439	na	na	na	29,486	28,047	1,439
Non-STEM	6720	Hazardous materials removal workers	24,965	21,476	3,489	na	na	na	24,965	21,476	3,489
Non-STEM	6730	Highway maintenance workers	98,542	93,844	4,698	na	na	na	98,542	93,844	4,698
Non-STEM	6740	Rail-track laying and maintenance equipment operators	7,750	7,459	291	na	na	na	7,750	7,459	291
Non-STEM	6765	Other construction and related workers	44,611	42,161	2,450	na	na	na	44,611	42,161	2,450
<b>na</b>	<b>na</b>	<b>Education, training, and library occupations</b>	<b>9,713,029</b>	<b>2,304,496</b>	<b>7,408,533</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>9,713,029</b>	<b>2,304,496</b>	<b>7,408,533</b>
Non-STEM	2205	Postsecondary teachers	1,441,513	138,566	1,302,947	na	na	na	1,441,513	138,566	1,302,947
Non-STEM	2300	Preschool and kindergarten teachers	855,538	421,443	434,095	na	na	na	855,538	421,443	434,095
Non-STEM	2310	Elementary and middle school teachers	2,964,678	181,270	2,783,408	na	na	na	2,964,678	181,270	2,783,408
Non-STEM	2320	Secondary school teachers	1,269,726	53,399	1,216,327	na	na	na	1,269,726	53,399	1,216,327
Non-STEM	2330	Special education teachers	432,135	49,653	382,482	na	na	na	432,135	49,653	382,482
Non-STEM	2350	Tutors	200,971	104,404	96,567	na	na	na	200,971	104,404	96,567
Non-STEM	2360	Other teachers and instructors	745,727	317,882	427,845	na	na	na	745,727	317,882	427,845
Non-STEM	2400	Archivists, curators, and museum technicians	70,782	18,155	52,627	na	na	na	70,782	18,155	52,627

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	2435	Librarians and media collections specialists	191,506	28,439	163,067	na	na	na	191,506	28,439	163,067
Non-STEM	2440	Library technicians	49,099	32,835	16,264	na	na	na	49,099	32,835	16,264
Non-STEM	2545	Teaching assistants	1,356,414	933,423	422,991	na	na	na	1,356,414	933,423	422,991
Non-STEM	2555	Other educational instruction and library workers	134,940	25,027	109,913	na	na	na	134,940	25,027	109,913
<b>na</b>	<b>na</b>	<b>Extraction workers</b>	215,333	201,086	14,247	68,998	64,267	4,731	146,335	136,819	9,516
Middle skill	6800	Derrick, rotary drill, and service unit operators, and roustabouts, oil and gas	36,338	33,341	2,997	36,338	33,341	2,997	na	na	na
Middle skill	6825	Surface mining machine operators and earth drillers	32,660	30,926	1,734	32,660	30,926	1,734	na	na	na
Non-STEM	6835	Explosives workers, ordnance handling experts, and blasters	22,073	19,635	2,438	na	na	na	22,073	19,635	2,438
Non-STEM	6850	Underground mining machine operators	52,469	49,155	3,314	na	na	na	52,469	49,155	3,314
Non-STEM	6950	Other extraction workers	71,793	68,029	3,764	na	na	na	71,793	68,029	3,764
<b>na</b>	<b>na</b>	<b>Farming, fishing, and forestry occupations</b>	953,779	878,377	75,402	na	na	na	953,779	878,377	75,402
Non-STEM	6005	First-line supervisors of farming, fishing, and forestry workers	49,645	44,031	5,614	na	na	na	49,645	44,031	5,614
Non-STEM	6010	Agricultural inspectors	12,040	8,034	4,006	na	na	na	12,040	8,034	4,006
Non-STEM	6040	Graders and sorters, agricultural products	51,908	48,601	3,307	na	na	na	51,908	48,601	3,307
Non-STEM	6050	Other agricultural workers	733,739	682,703	51,036	na	na	na	733,739	682,703	51,036
Non-STEM	6115	Fishing and hunting workers	36,543	31,697	4,846	na	na	na	36,543	31,697	4,846
Non-STEM	6120	Forest and conservation workers	16,060	12,403	3,657	na	na	na	16,060	12,403	3,657
Non-STEM	6130	Logging workers	53,844	50,908	2,936	na	na	na	53,844	50,908	2,936
<b>na</b>	<b>na</b>	<b>Financial specialists</b>	3,334,435	737,264	2,597,171	151,646	71,061	80,585	3,182,789	666,203	2,516,586
Non-STEM	800	Accountants and auditors	1,702,872	240,973	1,461,899	na	na	na	1,702,872	240,973	1,461,899
Middle skill	810	Property appraisers and assessors	91,927	40,123	51,804	91,927	40,123	51,804	na	na	na
Non-STEM	820	Budget analysts	52,893	11,673	41,220	na	na	na	52,893	11,673	41,220
Non-STEM	830	Credit analysts	36,848	11,827	25,021	na	na	na	36,848	11,827	25,021
Non-STEM	845	Financial and investment analysts	290,036	33,866	256,170	na	na	na	290,036	33,866	256,170
Non-STEM	850	Personal financial advisors	414,707	73,704	341,003	na	na	na	414,707	73,704	341,003
Non-STEM	860	Insurance underwriters	118,201	45,226	72,975	na	na	na	118,201	45,226	72,975
Non-STEM	900	Financial examiners	20,029	3,960	16,069	na	na	na	20,029	3,960	16,069
Non-STEM	910	Credit counselors and loan officers	357,802	170,152	187,650	na	na	na	357,802	170,152	187,650

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Middle skill	930	Tax examiners and collectors, and revenue agents	59,719	30,938	28,781	59,719	30,938	28,781	na	na	na
Non-STEM	940	Tax preparers	92,561	44,586	47,975	na	na	na	92,561	44,586	47,975
Non-STEM	960	Other financial specialists	96,840	30,236	66,604	na	na	na	96,840	30,236	66,604
<b>na</b>	<b>na</b>	<b>Food preparation and serving occupations</b>	<b>8,114,530</b>	<b>7,305,848</b>	<b>808,682</b>	<b>515,496</b>	<b>436,868</b>	<b>78,628</b>	<b>7,599,034</b>	<b>6,868,980</b>	<b>730,054</b>
Middle skill	4000	Chefs and head cooks	515,496	436,868	78,628	515,496	436,868	78,628	na	na	na
Non-STEM	4010	First-line supervisors of food preparation and serving workers	549,270	480,204	69,066	na	na	na	549,270	480,204	69,066
Non-STEM	4020	Cooks	2,183,437	2,067,357	116,080	na	na	na	2,183,437	2,067,357	116,080
Non-STEM	4030	Food preparation workers	900,673	836,023	64,650	na	na	na	900,673	836,023	64,650
Non-STEM	4040	Bartenders	465,910	363,385	102,525	na	na	na	465,910	363,385	102,525
Non-STEM	4055	Fast food and counter workers	539,108	483,872	55,236	na	na	na	539,108	483,872	55,236
Non-STEM	4110	Waiters and waitresses	1,991,766	1,735,787	255,979	na	na	na	1,991,766	1,735,787	255,979
Non-STEM	4120	Food servers, nonrestaurant	171,885	155,913	15,972	na	na	na	171,885	155,913	15,972
Non-STEM	4130	Dining room and cafeteria attendants and bartender helpers	267,500	251,279	16,221	na	na	na	267,500	251,279	16,221
Non-STEM	4140	Dishwashers	286,149	274,534	11,615	na	na	na	286,149	274,534	11,615
Non-STEM	4150	Hosts and hostesses, restaurant, lounge, and coffee shop	231,935	209,823	22,112	na	na	na	231,935	209,823	22,112
Non-STEM	4160	Food preparation and serving related workers, all other	11,401	10,803	598	na	na	na	11,401	10,803	598
<b>na</b>	<b>na</b>	<b>Health care practitioners and technical occupations</b>	<b>9,736,678</b>	<b>3,760,947</b>	<b>5,975,731</b>	<b>9,736,678</b>	<b>3,760,947</b>	<b>5,975,731</b>	<b>na</b>	<b>na</b>	<b>na</b>
S&E-related	3000	Chiropractors	67,094	2,162	64,932	67,094	2,162	64,932	na	na	na
S&E-related	3010	Dentists	179,002	NA	179,002	179,002	NA	179,002	na	na	na
S&E-related	3030	Dietitians and nutritionists	102,859	21,832	81,027	102,859	21,832	81,027	na	na	na
S&E-related	3040	Optometrists	47,262	NA	47,262	47,262	NA	47,262	na	na	na
S&E-related	3050	Pharmacists	331,452	14,178	317,274	331,452	14,178	317,274	na	na	na
S&E-related	3090	Physicians	893,677	NA	893,677	893,677	NA	893,677	na	na	na
S&E-related	3100	Surgeons	53,376	NA	53,376	53,376	NA	53,376	na	na	na
S&E-related	3110	Physician assistants	144,141	14,343	129,798	144,141	14,343	129,798	na	na	na
S&E-related	3120	Podiatrists	10,685	NA	10,685	10,685	NA	10,685	na	na	na
S&E-related	3140	Audiologists	19,540	492	19,048	19,540	492	19,048	na	na	na
S&E-related	3150	Occupational therapists	135,951	9,780	126,171	135,951	9,780	126,171	na	na	na



Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
S&E-related	3160	Physical therapists	273,550	16,048	257,502	273,550	16,048	257,502	na	na	na
S&E-related	3200	Radiation therapists	16,936	6,196	10,740	16,936	6,196	10,740	na	na	na
S&E-related	3210	Recreational therapists	16,155	6,033	10,122	16,155	6,033	10,122	na	na	na
S&E-related	3220	Respiratory therapists	116,339	80,028	36,311	116,339	80,028	36,311	na	na	na
S&E-related	3230	Speech-language pathologists	179,914	5,725	174,189	179,914	5,725	174,189	na	na	na
S&E-related	3245	Other therapists	194,098	27,790	166,308	194,098	27,790	166,308	na	na	na
S&E-related	3250	Veterinarians	91,320	NA	91,320	91,320	NA	91,320	na	na	na
S&E-related	3255	Registered nurses	3,358,616	1,150,003	2,208,613	3,358,616	1,150,003	2,208,613	na	na	na
S&E-related	3256	Nurse anesthetists	44,728	1,257	43,471	44,728	1,257	43,471	na	na	na
S&E-related	3258	Nurse practitioners and nurse midwives	217,930	3,078	214,852	217,930	3,078	214,852	na	na	na
S&E-related	3261	Acupuncturists	21,065	1,673	19,392	21,065	1,673	19,392	na	na	na
S&E-related	3270	Health care diagnosing or treating practitioners, all other	9,287	3,510	5,777	9,287	3,510	5,777	na	na	na
S&E-related	3300	Clinical laboratory technologists and technicians	332,828	175,104	157,724	332,828	175,104	157,724	na	na	na
S&E-related	3310	Dental hygienists	200,794	127,110	73,684	200,794	127,110	73,684	na	na	na
S&E-related	3321	Cardiovascular technologists and technicians	49,891	29,863	20,028	49,891	29,863	20,028	na	na	na
S&E-related	3322	Diagnostic medical sonographers	90,970	46,711	44,259	90,970	46,711	44,259	na	na	na
S&E-related	3323	Radiologic technologists and technicians	211,189	153,996	57,193	211,189	153,996	57,193	na	na	na
S&E-related	3324	Magnetic resonance imaging technologists	45,929	27,413	18,516	45,929	27,413	18,516	na	na	na
S&E-related	3330	Nuclear medicine technologists and medical dosimetrists	25,298	8,741	16,557	25,298	8,741	16,557	na	na	na
S&E-related	3401	Emergency medical technicians	135,214	108,900	26,314	135,214	108,900	26,314	na	na	na
S&E-related	3402	Paramedics	127,285	97,713	29,572	127,285	97,713	29,572	na	na	na
S&E-related	3421	Pharmacy technicians	380,917	306,505	74,412	380,917	306,505	74,412	na	na	na
S&E-related	3422	Psychiatric technicians	85,448	46,423	39,025	85,448	46,423	39,025	na	na	na
S&E-related	3423	Surgical technologists	107,607	92,532	15,075	107,607	92,532	15,075	na	na	na
S&E-related	3424	Veterinary technologists and technicians	148,558	112,806	35,752	148,558	112,806	35,752	na	na	na
S&E-related	3430	Dietetic technicians and ophthalmic medical technicians	61,649	53,615	8,034	61,649	53,615	8,034	na	na	na
S&E-related	3500	Licensed practical and licensed vocational nurses	703,674	671,552	32,122	703,674	671,552	32,122	na	na	na

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
S&E-related	3515	Medical records specialists	188,325	149,274	39,051	188,325	149,274	39,051	na	na	na
S&E-related	3520	Opticians, dispensing	69,090	54,343	14,747	69,090	54,343	14,747	na	na	na
S&E-related	3545	Miscellaneous health technologists and technicians	150,962	109,685	41,277	150,962	109,685	41,277	na	na	na
S&E-related	3550	Other health care practitioners and technical occupations	96,073	24,533	71,540	96,073	24,533	71,540	na	na	na
<b>na</b>	<b>na</b>	<b>Health care support occupations</b>	5,255,814	4,534,322	721,492	na	na	na	5,255,814	4,534,322	721,492
Non-STEM	3601	Home health aides	568,423	514,460	53,963	na	na	na	568,423	514,460	53,963
Non-STEM	3602	Personal care aides	1,431,894	1,243,445	188,449	na	na	na	1,431,894	1,243,445	188,449
Non-STEM	3603	Nursing assistants	1,413,026	1,285,885	127,141	na	na	na	1,413,026	1,285,885	127,141
Non-STEM	3605	Orderlies and psychiatric aides	76,887	63,714	13,173	na	na	na	76,887	63,714	13,173
Non-STEM	3610	Occupational therapy assistants and aides	55,002	42,876	12,126	na	na	na	55,002	42,876	12,126
Non-STEM	3620	Physical therapist assistants and aides	124,770	81,564	43,206	na	na	na	124,770	81,564	43,206
Non-STEM	3630	Massage therapists	201,515	149,440	52,075	na	na	na	201,515	149,440	52,075
Non-STEM	3640	Dental assistants	333,131	294,500	38,631	na	na	na	333,131	294,500	38,631
Non-STEM	3645	Medical assistants	593,423	504,533	88,890	na	na	na	593,423	504,533	88,890
Non-STEM	3646	Medical transcriptionists	56,189	28,060	28,129	na	na	na	56,189	28,060	28,129
Non-STEM	3647	Pharmacy aides	34,375	27,513	6,862	na	na	na	34,375	27,513	6,862
Non-STEM	3648	Veterinary assistants and laboratory animal caretakers	58,576	43,184	15,392	na	na	na	58,576	43,184	15,392
Non-STEM	3649	Phlebotomists	132,222	115,213	17,009	na	na	na	132,222	115,213	17,009
Non-STEM	3655	Other health care support workers	176,381	139,935	36,446	na	na	na	176,381	139,935	36,446
<b>na</b>	<b>na</b>	<b>Installation, maintenance, and repair workers</b>	4,942,336	4,564,390	377,946	4,467,794	4,115,015	352,779	474,542	449,375	25,167
Middle skill	7000	First-line supervisors of mechanics, installers, and repairers	246,417	213,240	33,177	246,417	213,240	33,177	na	na	na
Middle skill	7010	Computer, automated teller, and office machine repairers	155,615	118,947	36,668	155,615	118,947	36,668	na	na	na
Middle skill	7020	Radio and telecommunications equipment installers and repairers	165,858	142,467	23,391	165,858	142,467	23,391	na	na	na
Middle skill	7030	Avionics technicians	30,154	27,682	2,472	30,154	27,682	2,472	na	na	na
Middle skill	7040	Electric motor, power tool, and related repairers	28,468	26,100	2,368	28,468	26,100	2,368	na	na	na

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Middle skill	7100	Other electrical and electronic equipment mechanics, installers, and repairers	38,921	35,290	3,631	38,921	35,290	3,631	na	na	na
Middle skill	7120	Audiovisual equipment installers and repairers	30,332	26,536	3,796	30,332	26,536	3,796	na	na	na
Middle skill	7130	Security and fire alarm systems installers	52,810	48,087	4,723	52,810	48,087	4,723	na	na	na
Middle skill	7140	Aircraft mechanics and service technicians	193,543	175,690	17,853	193,543	175,690	17,853	na	na	na
Non-STEM	7150	Automotive body and related repairers	147,040	143,607	3,433	na	na	na	147,040	143,607	3,433
Non-STEM	7160	Automotive glass installers and repairers	22,322	21,604	718	na	na	na	22,322	21,604	718
Middle skill	7200	Automotive service technicians and mechanics	865,182	830,198	34,984	865,182	830,198	34,984	na	na	na
Middle skill	7210	Bus and truck mechanics and diesel engine specialists	306,579	296,362	10,217	306,579	296,362	10,217	na	na	na
Middle skill	7220	Heavy vehicle and mobile equipment service technicians and mechanics	230,071	220,792	9,279	230,071	220,792	9,279	na	na	na
Middle skill	7240	Small engine mechanics	49,064	46,701	2,363	49,064	46,701	2,363	na	na	na
Non-STEM	7260	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	86,559	81,093	5,466	na	na	na	86,559	81,093	5,466
Middle skill	7300	Control and valve installers and repairers	20,636	19,359	1,277	20,636	19,359	1,277	na	na	na
Middle skill	7315	Heating, air conditioning, and refrigeration mechanics and installers	438,669	417,010	21,659	438,669	417,010	21,659	na	na	na
Non-STEM	7320	Home appliance repairers	42,306	38,122	4,184	na	na	na	42,306	38,122	4,184
Middle skill	7330	Industrial and refractory machinery mechanics	398,113	368,017	30,096	398,113	368,017	30,096	na	na	na
Middle skill	7340	Maintenance and repair workers, general	670,551	615,690	54,861	670,551	615,690	54,861	na	na	na
Middle skill	7350	Maintenance workers, machinery	30,950	28,849	2,101	30,950	28,849	2,101	na	na	na
Middle skill	7360	Millwrights	51,221	47,906	3,315	51,221	47,906	3,315	na	na	na
Non-STEM	7410	Electrical power-line installers and repairers	118,893	110,921	7,972	na	na	na	118,893	110,921	7,972
Middle skill	7420	Telecommunications line installers and repairers	143,222	129,804	13,418	143,222	129,804	13,418	na	na	na
Middle skill	7430	Precision instrument and equipment repairers	58,901	44,985	13,916	58,901	44,985	13,916	na	na	na

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	7510	Coin, vending, and amusement machine servicers and repairers	33,790	31,360	2,430	na	na	na	33,790	31,360	2,430
Middle skill	7540	Locksmiths and safe repairers	24,596	21,315	3,281	24,596	21,315	3,281	na	na	na
Middle skill	7560	Riggers	10,361	9,380	981	10,361	9,380	981	na	na	na
Non-STEM	7610	Helpers—installation, maintenance, and repair workers	23,632	22,668	964	na	na	na	23,632	22,668	964
Middle skill	7640	Other installation, maintenance, and repair workers	227,560	204,608	22,952	227,560	204,608	22,952	na	na	na
na	na	<b>Life, physical, and social science occupations</b>	1,654,578	286,824	1,367,754	1,654,578	286,824	1,367,754	na	na	na
S&E	1600	Agricultural and food scientists	29,309	NA	29,309	29,309	NA	29,309	na	na	na
S&E	1610	Biological scientists	93,783	NA	93,783	93,783	NA	93,783	na	na	na
S&E	1640	Conservation scientists and foresters	23,737	NA	23,737	23,737	NA	23,737	na	na	na
S&E	1650	Other life scientists	139,483	2,362	137,121	139,483	2,362	137,121	na	na	na
S&E	1700	Astronomers and physicists	13,998	NA	13,998	13,998	NA	13,998	na	na	na
S&E	1710	Atmospheric and space scientists	12,582	1,719	10,863	12,582	1,719	10,863	na	na	na
S&E	1720	Chemists and materials scientists	111,858	6,214	105,644	111,858	6,214	105,644	na	na	na
S&E	1745	Environmental scientists and specialists, including health	39,090	NA	39,090	39,090	NA	39,090	na	na	na
S&E	1750	Geoscientists and hydrologists, except geographers	45,625	NA	45,625	45,625	NA	45,625	na	na	na
S&E	1760	Physical scientists, all other	325,148	NA	325,148	325,148	NA	325,148	na	na	na
S&E	1800	Economists	31,047	NA	31,047	31,047	NA	31,047	na	na	na
S&E	1821	Clinical and counseling psychologists	24,009	NA	24,009	24,009	NA	24,009	na	na	na
S&E	1822	School psychologists	48,555	NA	48,555	48,555	NA	48,555	na	na	na
S&E	1825	Other psychologists	156,769	NA	156,769	156,769	NA	156,769	na	na	na
S&E	1840	Urban and regional planners	38,927	NA	38,927	38,927	NA	38,927	na	na	na
S&E	1860	Other social scientists	56,764	8,186	48,578	56,764	8,186	48,578	na	na	na
S&E-related	1900	Agricultural and food science technicians	44,473	32,049	12,424	44,473	32,049	12,424	na	na	na
S&E-related	1910	Biological technicians	26,564	13,563	13,001	26,564	13,563	13,001	na	na	na
S&E-related	1920	Chemical technicians	69,732	41,420	28,312	69,732	41,420	28,312	na	na	na
S&E-related	1935	Environmental science and geoscience technicians, and nuclear technicians	22,161	12,561	9,600	22,161	12,561	9,600	na	na	na

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
S&E-related	1970	Other life, physical, and social science technicians	224,353	128,797	95,556	224,353	128,797	95,556	na	na	na
S&E-related	1980	Occupational health and safety specialists and technicians	76,611	39,953	36,658	76,611	39,953	36,658	na	na	na
<b>na</b>	<b>na</b>	<b>Management occupations</b>	<b>16,952,914</b>	<b>7,438,559</b>	<b>9,514,355</b>	<b>2,360,278</b>	<b>1,009,459</b>	<b>1,350,819</b>	<b>14,592,636</b>	<b>6,429,100</b>	<b>8,163,536</b>
Non-STEM	10	Chief executives and legislators	1,406,657	399,274	1,007,383	na	na	na	1,406,657	399,274	1,007,383
Non-STEM	20	General and operations managers	1,124,397	609,723	514,674	na	na	na	1,124,397	609,723	514,674
Non-STEM	40	Advertising and promotions managers	55,104	10,355	44,749	na	na	na	55,104	10,355	44,749
Non-STEM	51	Marketing managers	553,504	112,416	441,088	na	na	na	553,504	112,416	441,088
Non-STEM	52	Sales managers	529,275	215,429	313,846	na	na	na	529,275	215,429	313,846
Non-STEM	60	Public relations and fundraising managers	100,208	13,682	86,526	na	na	na	100,208	13,682	86,526
Non-STEM	101	Administrative services managers	62,140	28,852	33,288	na	na	na	62,140	28,852	33,288
Non-STEM	102	Facilities managers	118,304	71,990	46,314	na	na	na	118,304	71,990	46,314
S&E-related	110	Computer and information systems managers	656,768	170,536	486,232	656,768	170,536	486,232	na	na	na
Non-STEM	120	Financial managers	1,319,786	487,134	832,652	na	na	na	1,319,786	487,134	832,652
Non-STEM	135	Compensation and benefits managers	18,051	5,431	12,620	na	na	na	18,051	5,431	12,620
Non-STEM	136	Human resources managers	273,318	84,866	188,452	na	na	na	273,318	84,866	188,452
Non-STEM	137	Training and development managers	60,354	20,381	39,973	na	na	na	60,354	20,381	39,973
Middle skill	140	Industrial production managers	279,577	153,687	125,890	279,577	153,687	125,890	na	na	na
Non-STEM	150	Purchasing managers	222,485	86,819	135,666	na	na	na	222,485	86,819	135,666
Non-STEM	160	Transportation, storage, and distribution managers	282,127	193,473	88,654	na	na	na	282,127	193,473	88,654
Middle skill	205	Farmers, ranchers, and other agricultural managers	557,138	414,182	142,956	557,138	414,182	142,956	na	na	na
Non-STEM	220	Construction managers	898,921	591,976	306,945	na	na	na	898,921	591,976	306,945
Non-STEM	230	Education and childcare administrators	961,549	174,034	787,515	na	na	na	961,549	174,034	787,515
S&E-related	300	Architectural and engineering managers	172,641	28,778	143,863	172,641	28,778	143,863	na	na	na
Non-STEM	310	Food service managers	1,022,605	782,840	239,765	na	na	na	1,022,605	782,840	239,765
Non-STEM	335	Entertainment and recreation managers	37,596	22,767	14,829	na	na	na	37,596	22,767	14,829
Non-STEM	340	Lodging managers	149,316	80,146	69,170	na	na	na	149,316	80,146	69,170
S&E-related	350	Medical and health services managers	676,898	240,346	436,552	676,898	240,346	436,552	na	na	na
S&E-related	360	Natural sciences managers	17,256	1,930	15,326	17,256	1,930	15,326	na	na	na

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	410	Property, real estate, and community association managers	607,367	351,374	255,993	na	na	na	607,367	351,374	255,993
Non-STEM	420	Social and community service managers	413,719	114,580	299,139	na	na	na	413,719	114,580	299,139
Non-STEM	425	Emergency management directors	14,388	4,603	9,785	na	na	na	14,388	4,603	9,785
Non-STEM	440	Other managers	4,361,465	1,966,955	2,394,510	na	na	na	4,361,465	1,966,955	2,394,510
na	na	<b>Office and administrative support occupations</b>	16,544,019	12,580,292	3,963,727	na	na	na	16,544,019	12,580,292	3,963,727
Non-STEM	5000	First-line supervisors of office and administrative support workers	1,077,951	713,706	364,245	na	na	na	1,077,951	713,706	364,245
Non-STEM	5010	Switchboard operators, including answering service	22,531	18,605	3,926	na	na	na	22,531	18,605	3,926
Non-STEM	5020	Telephone operators	37,462	30,774	6,688	na	na	na	37,462	30,774	6,688
Non-STEM	5040	Communications equipment operators, all other	17,172	12,911	4,261	na	na	na	17,172	12,911	4,261
Non-STEM	5100	Bill and account collectors	139,425	115,087	24,338	na	na	na	139,425	115,087	24,338
Non-STEM	5110	Billing and posting clerks	470,952	372,464	98,488	na	na	na	470,952	372,464	98,488
Non-STEM	5120	Bookkeeping, accounting, and auditing clerks	1,151,743	921,337	230,406	na	na	na	1,151,743	921,337	230,406
Non-STEM	5140	Payroll and timekeeping clerks	144,983	111,009	33,974	na	na	na	144,983	111,009	33,974
Non-STEM	5150	Procurement clerks	39,532	22,497	17,035	na	na	na	39,532	22,497	17,035
Non-STEM	5160	Tellers	303,454	251,157	52,297	na	na	na	303,454	251,157	52,297
Non-STEM	5165	Other financial clerks	117,623	62,735	54,888	na	na	na	117,623	62,735	54,888
Non-STEM	5220	Court, municipal, and license clerks	81,942	57,875	24,067	na	na	na	81,942	57,875	24,067
Non-STEM	5230	Credit authorizers, checkers, and clerks	37,569	25,540	12,029	na	na	na	37,569	25,540	12,029
Non-STEM	5240	Customer service representatives	2,765,553	2,091,168	674,385	na	na	na	2,765,553	2,091,168	674,385
Non-STEM	5250	Eligibility interviewers, government programs	80,644	42,509	38,135	na	na	na	80,644	42,509	38,135
Non-STEM	5260	File clerks	151,054	117,465	33,589	na	na	na	151,054	117,465	33,589
Non-STEM	5300	Hotel, motel, and resort desk clerks	149,637	122,805	26,832	na	na	na	149,637	122,805	26,832
Non-STEM	5310	Interviewers, except eligibility and loan	180,355	131,453	48,902	na	na	na	180,355	131,453	48,902
Non-STEM	5320	Library assistants, clerical	114,531	71,893	42,638	na	na	na	114,531	71,893	42,638
Non-STEM	5330	Loan interviewers and clerks	125,796	91,399	34,397	na	na	na	125,796	91,399	34,397
Non-STEM	5340	New accounts clerks	15,066	11,108	3,958	na	na	na	15,066	11,108	3,958
Non-STEM	5350	Correspondence clerks and order clerks	103,218	82,871	20,347	na	na	na	103,218	82,871	20,347

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	5360	Human resources assistants, except payroll and timekeeping	60,285	35,300	24,985	na	na	na	60,285	35,300	24,985
Non-STEM	5400	Receptionists and information clerks	1,274,041	1,073,168	200,873	na	na	na	1,274,041	1,073,168	200,873
Non-STEM	5410	Reservation and transportation ticket agents and travel clerks	140,083	101,490	38,593	na	na	na	140,083	101,490	38,593
Non-STEM	5420	Other information and records clerks	125,468	85,761	39,707	na	na	na	125,468	85,761	39,707
Non-STEM	5500	Cargo and freight agents	26,818	20,330	6,488	na	na	na	26,818	20,330	6,488
Non-STEM	5510	Couriers and messengers	335,384	290,430	44,954	na	na	na	335,384	290,430	44,954
Non-STEM	5521	Public safety telecommunicators	93,778	75,080	18,698	na	na	na	93,778	75,080	18,698
Non-STEM	5522	Dispatchers, except police, fire, and ambulance	185,136	156,262	28,874	na	na	na	185,136	156,262	28,874
Non-STEM	5530	Meter readers, utilities	21,162	20,208	954	na	na	na	21,162	20,208	954
Non-STEM	5540	Postal service clerks	129,676	107,118	22,558	na	na	na	129,676	107,118	22,558
Non-STEM	5550	Postal service mail carriers	335,654	281,988	53,666	na	na	na	335,654	281,988	53,666
Non-STEM	5560	Postal service mail sorters, processors, and processing machine operators	60,555	49,636	10,919	na	na	na	60,555	49,636	10,919
Non-STEM	5600	Production, planning, and expediting clerks	319,267	209,302	109,965	na	na	na	319,267	209,302	109,965
Non-STEM	5610	Shipping, receiving, and inventory clerks	631,471	569,471	62,000	na	na	na	631,471	569,471	62,000
Non-STEM	5630	Weighers, measurers, checkers, and samplers, recordkeeping	83,930	69,674	14,256	na	na	na	83,930	69,674	14,256
Non-STEM	5710	Executive secretaries and executive administrative assistants	253,952	145,798	108,154	na	na	na	253,952	145,798	108,154
Non-STEM	5720	Legal secretaries and administrative assistants	60,923	47,775	13,148	na	na	na	60,923	47,775	13,148
Non-STEM	5730	Medical secretaries and administrative assistants	77,078	61,818	15,260	na	na	na	77,078	61,818	15,260
Non-STEM	5740	Secretaries and administrative assistants, except legal, medical, and executive	2,345,771	1,736,837	608,934	na	na	na	2,345,771	1,736,837	608,934
Non-STEM	5810	Data entry keyers	293,721	226,776	66,945	na	na	na	293,721	226,776	66,945
Non-STEM	5820	Word processors and typists	52,808	41,175	11,633	na	na	na	52,808	41,175	11,633
Non-STEM	5840	Insurance claims and policy processing clerks	203,569	149,081	54,488	na	na	na	203,569	149,081	54,488
Non-STEM	5850	Mail clerks and mail machine operators, except postal service	74,019	64,569	9,450	na	na	na	74,019	64,569	9,450
Non-STEM	5860	Office clerks, general	1,293,846	1,023,680	270,166	na	na	na	1,293,846	1,023,680	270,166

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	5900	Office machine operators, except computer	42,034	36,168	5,866	na	na	na	42,034	36,168	5,866
Non-STEM	5910	Proofreaders and copy markers	12,222	4,880	7,342	na	na	na	12,222	4,880	7,342
Non-STEM	5920	Statistical assistants	30,028	15,495	14,533	na	na	na	30,028	15,495	14,533
Non-STEM	5940	Other office and administrative support workers	653,147	402,654	250,493	na	na	na	653,147	402,654	250,493
<b>na</b>	<b>na</b>	<b>Personal care and service occupations</b>	<b>4,170,536</b>	<b>3,378,003</b>	<b>792,533</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>4,170,536</b>	<b>3,378,003</b>	<b>792,533</b>
Non-STEM	4330	Supervisors of personal care and service workers	122,711	93,476	29,235	na	na	na	122,711	93,476	29,235
Non-STEM	4340	Animal trainers	50,511	33,552	16,959	na	na	na	50,511	33,552	16,959
Non-STEM	4350	Animal caretakers	293,591	236,049	57,542	na	na	na	293,591	236,049	57,542
Non-STEM	4400	Gambling services workers	115,247	95,411	19,836	na	na	na	115,247	95,411	19,836
Non-STEM	4420	Ushers, lobby attendants, and ticket takers	48,799	39,166	9,633	na	na	na	48,799	39,166	9,633
Non-STEM	4435	Other entertainment attendants and related workers	211,443	167,643	43,800	na	na	na	211,443	167,643	43,800
Non-STEM	4461	Embalmers, crematory operators, and funeral attendants	14,552	10,857	3,695	na	na	na	14,552	10,857	3,695
Non-STEM	4465	Morticians, undertakers, and funeral arrangers	37,150	25,125	12,025	na	na	na	37,150	25,125	12,025
Non-STEM	4500	Barbers	117,667	108,888	8,779	na	na	na	117,667	108,888	8,779
Non-STEM	4510	Hairdressers, hairstylists, and cosmetologists	834,595	777,137	57,458	na	na	na	834,595	777,137	57,458
Non-STEM	4521	Manicurists and pedicurists	269,236	248,559	20,677	na	na	na	269,236	248,559	20,677
Non-STEM	4522	Skincare specialists	83,085	68,848	14,237	na	na	na	83,085	68,848	14,237
Non-STEM	4525	Other personal appearance workers	28,894	23,855	5,039	na	na	na	28,894	23,855	5,039
Non-STEM	4530	Baggage porters, bellhops, and concierges	101,600	81,406	20,194	na	na	na	101,600	81,406	20,194
Non-STEM	4540	Tour and travel guides	71,607	48,050	23,557	na	na	na	71,607	48,050	23,557
Non-STEM	4600	Childcare workers	1,062,436	873,982	188,454	na	na	na	1,062,436	873,982	188,454
Non-STEM	4621	Exercise trainers and group fitness instructors	284,581	124,994	159,587	na	na	na	284,581	124,994	159,587
Non-STEM	4622	Recreation workers	186,386	133,962	52,424	na	na	na	186,386	133,962	52,424
Non-STEM	4640	Residential advisors	93,319	75,848	17,471	na	na	na	93,319	75,848	17,471
Non-STEM	4655	Personal care and service workers, all other	143,126	111,195	31,931	na	na	na	143,126	111,195	31,931



Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
na	na	<b>Production occupations</b>	8,758,383	7,974,917	783,466	3,181,611	2,859,377	322,234	5,576,772	5,115,540	461,232
Middle skill	7700	First-line supervisors of production and operating workers	776,736	658,173	118,563	776,736	658,173	118,563	na	na	na
Non-STEM	7720	Electrical, electronics, and electromechanical assemblers	130,412	120,950	9,462	na	na	na	130,412	120,950	9,462
Middle skill	7730	Engine and other machine assemblers	9,856	9,248	608	9,856	9,248	608	na	na	na
Middle skill	7740	Structural metal fabricators and fitters	26,427	24,745	1,682	26,427	24,745	1,682	na	na	na
Non-STEM	7750	Other assemblers and fabricators	1,016,353	948,543	67,810	na	na	na	1,016,353	948,543	67,810
Non-STEM	7800	Bakers	226,327	201,423	24,904	na	na	na	226,327	201,423	24,904
Middle skill	7810	Butchers and other meat, poultry, and fish processing workers	232,533	222,237	10,296	232,533	222,237	10,296	na	na	na
Non-STEM	7830	Food and tobacco roasting, baking, and drying machine operators and tenders	13,879	11,953	1,926	na	na	na	13,879	11,953	1,926
Non-STEM	7840	Food batchmakers	96,595	88,321	8,274	na	na	na	96,595	88,321	8,274
Non-STEM	7850	Food cooking machine operators and tenders	11,404	10,373	1,031	na	na	na	11,404	10,373	1,031
Non-STEM	7855	Food processing workers, all other	137,265	131,469	5,796	na	na	na	137,265	131,469	5,796
Middle skill	7905	Computer numerically controlled tool operators and programmers	113,831	104,534	9,297	113,831	104,534	9,297	na	na	na
Non-STEM	7925	Forming machine setters, operators, and tenders, metal and plastic	37,878	36,323	1,555	na	na	na	37,878	36,323	1,555
Non-STEM	7950	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	79,833	77,257	2,576	na	na	na	79,833	77,257	2,576
Non-STEM	8000	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	46,687	44,940	1,747	na	na	na	46,687	44,940	1,747
Non-STEM	8025	Other machine tool setters, operators, and tenders, metal and plastic	14,010	13,515	495	na	na	na	14,010	13,515	495
Middle skill	8030	Machinists	357,494	340,222	17,272	357,494	340,222	17,272	na	na	na
Non-STEM	8040	Metal furnace operators, tenders, pourers, and casters	23,685	21,406	2,279	na	na	na	23,685	21,406	2,279
Non-STEM	8100	Model makers, patternmakers, and molding machine setters, metal and plastic	44,992	41,748	3,244	na	na	na	44,992	41,748	3,244
Middle skill	8130	Tool and die makers	59,505	56,549	2,956	59,505	56,549	2,956	na	na	na

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	8140	Welding, soldering, and brazing workers	628,319	610,513	17,806	na	na	na	628,319	610,513	17,806
Non-STEM	8225	Other metal workers and plastic workers	422,375	399,683	22,692	na	na	na	422,375	399,683	22,692
Middle skill	8250	Prepress technicians and workers	23,470	19,274	4,196	23,470	19,274	4,196	na	na	na
Non-STEM	8255	Printing press operators	166,975	153,187	13,788	na	na	na	166,975	153,187	13,788
Non-STEM	8256	Print binding and finishing workers	15,816	14,892	924	na	na	na	15,816	14,892	924
Non-STEM	8300	Laundry and dry-cleaning workers	150,444	142,512	7,932	na	na	na	150,444	142,512	7,932
Non-STEM	8310	Pressers, textile, garment, and related materials	32,346	31,118	1,228	na	na	na	32,346	31,118	1,228
Non-STEM	8320	Sewing machine operators	147,368	137,600	9,768	na	na	na	147,368	137,600	9,768
Non-STEM	8335	Shoe and leather workers	14,248	12,498	1,750	na	na	na	14,248	12,498	1,750
Non-STEM	8350	Tailors, dressmakers, and sewers	68,741	54,613	14,128	na	na	na	68,741	54,613	14,128
Non-STEM	8365	Textile machine setters, operators, and tenders	25,411	23,469	1,942	na	na	na	25,411	23,469	1,942
Non-STEM	8450	Upholsterers	31,233	30,021	1,212	na	na	na	31,233	30,021	1,212
Non-STEM	8465	Other textile, apparel, and furnishings workers	18,925	16,237	2,688	na	na	na	18,925	16,237	2,688
Non-STEM	8500	Cabinetmakers and bench carpenters	51,361	45,824	5,537	na	na	na	51,361	45,824	5,537
Non-STEM	8510	Furniture finishers	9,636	9,223	413	na	na	na	9,636	9,223	413
Non-STEM	8530	Sawing machine setters, operators, and tenders, wood	29,052	28,770	282	na	na	na	29,052	28,770	282
Non-STEM	8540	Woodworking machine setters, operators, and tenders, except sawing	18,929	18,578	351	na	na	na	18,929	18,578	351
Non-STEM	8555	Other woodworkers	26,312	21,993	4,319	na	na	na	26,312	21,993	4,319
Non-STEM	8600	Power plant operators, distributors, and dispatchers	48,122	38,488	9,634	na	na	na	48,122	38,488	9,634
Middle skill	8610	Stationary engineers and boiler operators	111,638	83,897	27,741	111,638	83,897	27,741	na	na	na
Middle skill	8620	Water and wastewater treatment plant and system operators	99,735	85,993	13,742	99,735	85,993	13,742	na	na	na
Non-STEM	8630	Miscellaneous plant and system operators	46,617	41,503	5,114	na	na	na	46,617	41,503	5,114
Middle skill	8640	Chemical processing machine setters, operators, and tenders	75,873	55,856	20,017	75,873	55,856	20,017	na	na	na
Non-STEM	8650	Crushing, grinding, polishing, mixing, and blending workers	92,913	88,930	3,983	na	na	na	92,913	88,930	3,983
Non-STEM	8710	Cutting workers	69,960	66,581	3,379	na	na	na	69,960	66,581	3,379

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	8720	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	23,283	22,535	748	na	na	na	23,283	22,535	748
Non-STEM	8730	Furnace, kiln, oven, drier, and kettle operators and tenders	10,760	9,820	940	na	na	na	10,760	9,820	940
Non-STEM	8740	Inspectors, testers, sorters, samplers, and weighers	819,751	696,532	123,219	na	na	na	819,751	696,532	123,219
Non-STEM	8750	Jewelers and precious stone and metal workers	47,705	33,220	14,485	na	na	na	47,705	33,220	14,485
Non-STEM	8760	Dental and ophthalmic laboratory technicians and medical appliance technicians	90,843	76,178	14,665	na	na	na	90,843	76,178	14,665
Non-STEM	8800	Packaging and filling machine operators and tenders	267,145	253,003	14,142	na	na	na	267,145	253,003	14,142
Non-STEM	8810	Painting workers	148,700	142,063	6,637	na	na	na	148,700	142,063	6,637
Non-STEM	8830	Photographic process workers and processing machine operators	24,950	12,095	12,855	na	na	na	24,950	12,095	12,855
Non-STEM	8850	Adhesive bonding machine operators and tenders	13,494	12,826	668	na	na	na	13,494	12,826	668
Middle skill	8910	Etchers and engravers	8,382	5,952	2,430	8,382	5,952	2,430	na	na	na
Non-STEM	8920	Molders, shapers, and casters, except metal and plastic	28,055	22,308	5,747	na	na	na	28,055	22,308	5,747
Non-STEM	8930	Paper goods machine setters, operators, and tenders	26,496	25,137	1,359	na	na	na	26,496	25,137	1,359
Non-STEM	8940	Tire builders	12,122	11,623	499	na	na	na	12,122	11,623	499
Non-STEM	8950	Helpers—production workers	69,045	63,746	5,299	na	na	na	69,045	63,746	5,299
Middle skill	8990	Miscellaneous production workers, including equipment operators and tenders	1,286,131	1,192,697	93,434	1,286,131	1,192,697	93,434	na	na	na
<b>na</b>	<b>na</b>	<b>Protective service occupations</b>	<b>3,371,318</b>	<b>2,437,379</b>	<b>933,939</b>	<b>332,088</b>	<b>249,569</b>	<b>82,519</b>	<b>3,039,230</b>	<b>2,187,810</b>	<b>851,420</b>
Non-STEM	3700	First-line supervisors of correctional officers	37,382	26,408	10,974	na	na	na	37,382	26,408	10,974
Non-STEM	3710	First-line supervisors of police and detectives	111,021	63,375	47,646	na	na	na	111,021	63,375	47,646
Non-STEM	3720	First-line supervisors of firefighting and prevention workers	49,970	33,528	16,442	na	na	na	49,970	33,528	16,442

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	3725	Miscellaneous first-line supervisors, protective service workers	72,670	45,696	26,974	na	na	na	72,670	45,696	26,974
Middle skill	3740	Firefighters	332,088	249,569	82,519	332,088	249,569	82,519	na	na	na
Non-STEM	3750	Fire inspectors	25,379	17,944	7,435	na	na	na	25,379	17,944	7,435
Non-STEM	3801	Bailiffs	23,025	14,510	8,515	na	na	na	23,025	14,510	8,515
Non-STEM	3802	Correctional officers and jailers	382,473	310,446	72,027	na	na	na	382,473	310,446	72,027
Non-STEM	3820	Detectives and criminal investigators	152,656	64,994	87,662	na	na	na	152,656	64,994	87,662
Non-STEM	3840	Fish and game wardens and parking enforcement officers	18,084	11,694	6,390	na	na	na	18,084	11,694	6,390
Non-STEM	3870	Police officers	809,471	493,612	315,859	na	na	na	809,471	493,612	315,859
Non-STEM	3900	Animal control workers	9,965	8,480	1,485	na	na	na	9,965	8,480	1,485
Non-STEM	3910	Private detectives and investigators	99,708	43,628	56,080	na	na	na	99,708	43,628	56,080
Non-STEM	3930	Security guards and gambling surveillance officers	1,001,356	846,180	155,176	na	na	na	1,001,356	846,180	155,176
Non-STEM	3940	Crossing guards and flaggers	53,525	48,650	4,875	na	na	na	53,525	48,650	4,875
Non-STEM	3945	Transportation security screeners	47,341	35,265	12,076	na	na	na	47,341	35,265	12,076
Non-STEM	3946	School bus monitors	39,317	37,188	2,129	na	na	na	39,317	37,188	2,129
Non-STEM	3960	Other protective service workers	105,887	86,212	19,675	na	na	na	105,887	86,212	19,675
<b>na</b>	<b>na</b>	<b>Sales occupations</b>	<b>14,767,122</b>	<b>10,380,585</b>	<b>4,386,537</b>	<b>50,487</b>	<b>10,799</b>	<b>39,688</b>	<b>14,716,635</b>	<b>10,369,786</b>	<b>4,346,849</b>
Non-STEM	4700	First-line supervisors of retail sales workers	3,064,363	2,292,504	771,859	na	na	na	3,064,363	2,292,504	771,859
Non-STEM	4710	First-line supervisors of non-retail sales workers	1,125,354	677,467	447,887	na	na	na	1,125,354	677,467	447,887
Non-STEM	4720	Cashiers	2,780,506	2,528,475	252,031	na	na	na	2,780,506	2,528,475	252,031
Non-STEM	4740	Counter and rental clerks	84,900	68,737	16,163	na	na	na	84,900	68,737	16,163
Non-STEM	4750	Parts salespersons	124,747	115,963	8,784	na	na	na	124,747	115,963	8,784
Non-STEM	4760	Retail salespersons	3,094,863	2,427,280	667,583	na	na	na	3,094,863	2,427,280	667,583
Non-STEM	4800	Advertising sales agents	130,917	48,577	82,340	na	na	na	130,917	48,577	82,340
Non-STEM	4810	Insurance sales agents	603,137	318,443	284,694	na	na	na	603,137	318,443	284,694
Non-STEM	4820	Securities, commodities, and financial services sales agents	230,535	66,958	163,577	na	na	na	230,535	66,958	163,577
Non-STEM	4830	Travel agents	76,484	44,523	31,961	na	na	na	76,484	44,523	31,961

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	4840	Sales representatives of services, except advertising, insurance, financial services, and travel	642,148	304,146	338,002	na	na	na	642,148	304,146	338,002
Non-STEM	4850	Sales representatives, wholesale and manufacturing	1,330,876	695,938	634,938	na	na	na	1,330,876	695,938	634,938
Non-STEM	4900	Models, demonstrators, and product promoters	48,345	37,076	11,269	na	na	na	48,345	37,076	11,269
Non-STEM	4920	Real estate brokers and sales agents	919,628	456,759	462,869	na	na	na	919,628	456,759	462,869
S&E	4930	Sales engineers	50,487	10,799	39,688	50,487	10,799	39,688	na	na	na
Non-STEM	4940	Telemarketers	43,587	36,263	7,324	na	na	na	43,587	36,263	7,324
Non-STEM	4950	Door-to-door sales workers, news and street vendors, and related workers	110,914	85,546	25,368	na	na	na	110,914	85,546	25,368
Non-STEM	4965	Sales and related workers, all other	305,331	165,131	140,200	na	na	na	305,331	165,131	140,200
na	na	<b>Transportation and material moving occupations</b>	11,843,805	10,653,738	1,190,067	67,152	53,999	13,153	11,776,653	10,599,739	1,176,914
Non-STEM	9005	Supervisors of transportation and material moving workers	271,902	226,914	44,988	na	na	na	271,902	226,914	44,988
Non-STEM	9030	Aircraft pilots and flight engineers	209,961	54,660	155,301	na	na	na	209,961	54,660	155,301
Non-STEM	9040	Air traffic controllers and airfield operations specialists	41,154	25,701	15,453	na	na	na	41,154	25,701	15,453
Non-STEM	9050	Flight attendants	117,849	74,263	43,586	na	na	na	117,849	74,263	43,586
Non-STEM	9110	Ambulance drivers and attendants, except emergency medical technicians	8,253	7,259	994	na	na	na	8,253	7,259	994
Non-STEM	9121	Bus drivers, school	309,948	278,418	31,530	na	na	na	309,948	278,418	31,530
Non-STEM	9122	Bus drivers, transit and intercity	256,429	227,985	28,444	na	na	na	256,429	227,985	28,444
Non-STEM	9130	Driver or sales workers and truck drivers	3,695,598	3,421,516	274,082	na	na	na	3,695,598	3,421,516	274,082
Non-STEM	9141	Shuttle drivers and chauffeurs	107,060	88,798	18,262	na	na	na	107,060	88,798	18,262
Non-STEM	9142	Taxi drivers	499,522	389,448	110,074	na	na	na	499,522	389,448	110,074
Non-STEM	9150	Motor vehicle operators, all other	157,731	136,095	21,636	na	na	na	157,731	136,095	21,636
Non-STEM	9210	Locomotive engineers and operators	44,811	39,114	5,697	na	na	na	44,811	39,114	5,697
Non-STEM	9240	Railroad conductors and yardmasters	49,465	43,548	5,917	na	na	na	49,465	43,548	5,917
Non-STEM	9265	Other rail transportation workers	23,632	20,242	3,390	na	na	na	23,632	20,242	3,390
Non-STEM	9300	Sailors and marine oilers, and ship engineers	43,822	36,646	7,176	na	na	na	43,822	36,646	7,176
Non-STEM	9310	Ship and boat captains and operators	46,097	35,824	10,273	na	na	na	46,097	35,824	10,273

Table SLBR-1

## Employed adults in STEM and non-STEM occupations, by broad and detailed occupation: 2019

(Number)

Broad occupational group	2019 OCC	Detailed occupations	Total, all employed adults			STEM			Non-STEM		
			Total	No bachelor's degree	Bachelor's degree or higher	STEM total	STEM, no bachelor's degree (STW)	STEM, bachelor's degree or higher	Non-STEM total	Non-STEM, no bachelor's degree	Non-STEM, bachelor's degree or higher
Non-STEM	9350	Parking attendants	82,448	73,944	8,504	na	na	na	82,448	73,944	8,504
Non-STEM	9365	Transportation service attendants	110,549	103,925	6,624	na	na	na	110,549	103,925	6,624
Middle skill	9410	Transportation inspectors	42,881	32,725	10,156	42,881	32,725	10,156	na	na	na
Non-STEM	9415	Passenger attendants	39,988	36,626	3,362	na	na	na	39,988	36,626	3,362
Non-STEM	9430	Other transportation workers	27,091	22,389	4,702	na	na	na	27,091	22,389	4,702
Non-STEM	9510	Crane and tower operators	60,199	57,068	3,131	na	na	na	60,199	57,068	3,131
Non-STEM	9570	Conveyor, dredge, and hoist and winch operators	22,705	21,869	836	na	na	na	22,705	21,869	836
Non-STEM	9600	Industrial truck and tractor operators	651,773	627,878	23,895	na	na	na	651,773	627,878	23,895
Non-STEM	9610	Cleaners of vehicles and equipment	373,758	356,571	17,187	na	na	na	373,758	356,571	17,187
Non-STEM	9620	Laborers and freight, stock, and material movers, hand	2,297,672	2,144,129	153,543	na	na	na	2,297,672	2,144,129	153,543
Non-STEM	9630	Machine feeders and offbearers	34,006	31,436	2,570	na	na	na	34,006	31,436	2,570
Non-STEM	9640	Packers and packagers, hand	526,632	494,973	31,659	na	na	na	526,632	494,973	31,659
Non-STEM	9645	Stockers and order fillers	1,498,925	1,365,083	133,842	na	na	na	1,498,925	1,365,083	133,842
Middle skill	9650	Pumping station operators	24,271	21,274	2,997	24,271	21,274	2,997	na	na	na
Non-STEM	9720	Refuse and recyclable material collectors	86,774	81,082	5,692	na	na	na	86,774	81,082	5,692
Non-STEM	9760	Other material moving workers	80,899	76,335	4,564	na	na	na	80,899	76,335	4,564

na = not applicable; NA = not available.

OCC = Occupational Classification Code; STEM = science, technology, engineering, and mathematics; STW = skilled technical workforce.

**Note(s):**

Data include workers ages 16–75 and exclude those in military occupations or currently enrolled in primary or secondary school.

**Source(s):**

U.S. Census Bureau, American Community Survey (ACS), 2019, Public Use Microdata Sample (PUMS), data as of 25 October 2020.

*Science and Engineering Indicators*