

OCCUPATONAL PROJECTIONS 2006-2016
SOUTHERN TIER REGION

SOC CODE	TITLE	Employment		Change		Annual Average Openings			Annual Wages (\$)				Typical Education and Training Requirements ³	Educational Cluster ³
		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
00-0000	Total, All Occupations	307,290	317,640	10,350	3.4	7,810	1,040	6,770	\$38,820	\$30,600	\$18,680	\$48,890		
11-0000	Management Occupations	14,680	14,680	0	0.0	320	0	320	\$90,370	\$78,580	\$50,960	\$110,070		
11-1000	Top Executives	4,810	4,590	-220	-4.6	110	0	110						
11-1011	Chief Executives	970	950	-20	-2.1	30	0	30	\$123,170	\$106,910	\$70,740	\$149,390	Bachelor's or higher degree, plus work experience	SC/C
11-1021	General and Operations Managers	2,680	2,480	-200	-7.5	70	0	70	\$96,830	\$80,170	\$52,300	\$119,100	Bachelor's or higher degree, plus work experience	HS/SC/C
11-1031	Legislators	1,160	1,160	0	0.0	20	0	20	\$74,850	\$74,610	\$62,450	\$81,050	Bachelor's or higher degree, plus work experience	C
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	660	640	-20	-3.0	20	0	20						
11-2011	Advertising and Promotions Managers	80	80	0	0.0	0	0	0	\$74,620	\$69,780	\$38,360	\$92,750	Bachelor's or higher degree, plus work experience	C
11-2021	Marketing Managers	250	250	0	0.0	10	0	10	\$110,030	\$99,350	\$65,350	\$132,370	Bachelor's or higher degree, plus work experience	SC/C
11-2022	Sales Managers	270	250	-20	-7.4	10	0	10	\$121,410	\$108,780	\$63,650	\$150,280	Bachelor's or higher degree, plus work experience	SC/C
11-2031	Public Relations Managers	60	60	0	0.0	0	0	0	\$118,490	\$98,170	\$64,210	\$145,630	Bachelor's or higher degree, plus work experience	C
11-3000	Operations Specialties Managers	2,660	2,640	-20	-0.8	60	0	60						
11-3011	Administrative Services Managers	390	390	0	0.0	10	0	10	\$74,640	\$71,850	\$51,810	\$86,050	Bachelor's or higher degree, plus work experience	SC/C
11-3021	Computer and Information Systems Managers	390	410	20	5.1	10	0	10	\$111,570	\$109,640	\$73,140	\$130,780	Bachelor's or higher degree, plus work experience	SC/C
11-3031	Financial Managers	810	800	-10	-1.2	10	0	10	\$92,050	\$84,850	\$50,920	\$112,610	Bachelor's or higher degree, plus work experience	SC/C
11-3041	Compensation and Benefits Managers	110	120	10	9.1	0	0	0	\$77,500	\$61,960	\$51,150	\$90,680	Bachelor's or higher degree, plus work experience	SC/C
11-3042	Training and Development Managers	120	120	0	0.0	0	0	0	\$113,990	\$98,480	\$69,250	\$136,360	Bachelor's or higher degree, plus work experience	SC/C
11-3049	Human Resources Managers, All Other	100	110	10	10.0	0	0	0	\$93,460	\$81,300	\$54,910	\$112,730	Bachelor's or higher degree, plus work experience	SC/C
11-3051	Industrial Production Managers	500	450	-50	-10.0	20	0	20	\$77,220	\$74,490	\$51,310	\$90,180	Work experience in a related occupation	HS/SC/C
11-3061	Purchasing Managers	120	120	0	0.0	0	0	0	\$97,350	\$94,290	\$58,720	\$116,670	Bachelor's or higher degree, plus work experience	SC/C
11-3071	Transportation, Storage, and Distribution Managers	120	120	0	0.0	0	0	0	\$88,820	\$86,240	\$55,290	\$105,590	Work experience in a related occupation	HS/SC/C
11-9000	Other Management Occupations	6,550	6,820	270	4.1	160	30	130						
11-9021	Construction Managers	640	680	40	6.3	10	0	10	\$85,480	\$76,340	\$57,890	\$99,280	Bachelor's degree	HS/SC/C
11-9031	Education Administrators, Preschool and Child Care Center/Program	90	100	10	11.1	0	0	0	\$53,460	\$46,870	\$34,170	\$63,100	Bachelor's or higher degree, plus work experience	C
11-9032	Education Administrators, Elementary and Secondary School	550	560	10	1.8	20	0	20	\$82,670	\$82,540	\$63,540	\$92,230	Bachelor's or higher degree, plus work experience	C
11-9033	Education Administrators, Postsecondary	380	410	30	7.9	10	0	10	\$93,620	\$86,330	\$60,120	\$110,370	Bachelor's or higher degree, plus work experience	C

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		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
11-9041	Engineering Managers	600	580	-20	-3.3	10	0	10	\$134,630	\$130,740	\$86,520	\$158,680	Bachelor's or higher degree, plus work experience	C
11-9051	Food Service Managers	580	570	-10	-1.7	10	0	10	\$43,670	\$41,880	\$32,250	\$49,380	Work experience in a related occupation	HS/SC/C
11-9061	Funeral Directors	80	80	0	0.0	0	0	0	\$62,540	\$59,700	\$45,220	\$71,200	Associate degree	SC/C
11-9081	Lodging Managers	80	90	10	12.5	0	0	0	\$53,930	\$53,220	\$35,940	\$62,930	Work experience in a related occupation	HS/SC/C
11-9111	Medical and Health Services Managers	590	640	50	8.5	20	10	10	\$77,720	\$66,650	\$53,220	\$89,960	Bachelor's or higher degree, plus work experience	SC/C
11-9121	Natural Sciences Managers	100	100	0	0.0	0	0	0	\$89,140	\$87,920	\$67,550	\$99,940	Bachelor's or higher degree, plus work experience	C
11-9131	Postmasters and Mail Superintendents	160	150	-10	-6.3	0	0	0	\$57,840	\$57,740	\$43,320	\$65,090	Work experience in a related occupation	HS/SC/C
11-9141	Property, Real Estate, and Community Association Managers	260	270	10	3.8	0	0	0	\$73,680	\$70,300	\$52,800	\$84,120	Bachelor's degree	HS/SC/C
11-9151	Social and Community Service Managers	550	620	70	12.7	20	10	10	\$57,840	\$56,330	\$38,940	\$67,290	Bachelor's degree	C
11-9199	Managers, All Other	1,160	1,180	20	1.7	20	0	20	\$76,030	\$55,370	\$40,220	\$93,930	Work experience in a related occupation	HS/SC/C
13-0000	Business and Financial Operations Occupations	10,090	10,510	420	4.2	220	40	180	\$57,900	\$52,800	\$35,540	\$69,080		
13-1000	Business Operations Specialists	5,400	5,660	260	4.8	130	30	100						
13-1022	Wholesale and Retail Buyers, Except Farm Products	150	140	-10	-6.7	0	0	0	\$49,710	\$42,000	\$32,780	\$58,180	Work experience in a related occupation	HS/SC/C
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	750	720	-30	-4.0	20	0	20	\$55,570	\$51,840	\$35,090	\$65,800	Work experience in a related occupation	HS/SC/C
13-1031	Claims Adjusters, Examiners, and Investigators	720	710	-10	-1.4	20	0	20	\$60,790	\$60,250	\$43,040	\$69,660	Long-term on-the-job training	HS/SC/C
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	340	340	0	0.0	0	0	0	\$49,850	\$46,360	\$30,880	\$59,340	Long-term on-the-job training	SC/C
13-1051	Cost Estimators	300	350	50	16.7	20	10	10	\$47,170	\$45,900	\$31,430	\$55,040	Work experience in a related occupation	HS/SC/C
13-1071	Employment, Recruitment, and Placement Specialists	380	390	10	2.6	10	0	10	\$52,500	\$47,150	\$35,660	\$60,920	Bachelor's degree	SC/C
13-1072	Compensation, Benefits, and Job Analysis Specialists	160	180	20	12.5	0	0	0	\$53,980	\$48,650	\$37,380	\$62,280	Bachelor's degree	SC/C
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	370	390	20	5.4	10	0	10					Bachelor's degree	SC/C
13-1081	Logisticians	110	110	0	0.0	0	0	0	\$70,670	\$68,240	\$49,280	\$81,370	Bachelor's degree	SC/C
13-1111	Management Analysts	870	960	90	10.3	30	10	20	\$70,790	\$61,520	\$44,050	\$84,160	Bachelor's or higher degree, plus work experience	C
13-1121	Meeting and Convention Planners	90	100	10	11.1	0	0	0	\$43,720	\$42,850	\$31,690	\$49,740	Bachelor's degree	SC/C
13-1199	Business Operations Specialists, All Other	700	780	80	11.4	20	10	10	\$60,270	\$58,400	\$38,890	\$70,950	Bachelor's degree	SC/C
13-2000	Financial Specialists	4,690	4,850	160	3.4	100	20	80						
13-2011	Accountants and Auditors	2,050	2,200	150	7.3	60	20	40	\$60,190	\$56,070	\$41,180	\$69,690	Bachelor's degree	C
13-2021	Appraisers and Assessors of Real Estate	350	360	10	2.9	10	0	10	\$40,380	\$38,020	\$31,930	\$44,600	Postsecondary vocational training	SC/C

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13-2031	Budget Analysts	60	60	0	0.0	0	0	0	\$56,690	\$54,970	\$40,290	\$64,880	Bachelor's degree	SC/C
13-2041	Credit Analysts	80	70	-10	-12.5	0	0	0	\$64,770	\$61,790	\$40,130	\$77,090	Bachelor's degree	SC/C
13-2051	Financial Analysts	560	570	10	1.8	0	0	0	\$73,310	\$67,370	\$46,660	\$86,640	Bachelor's degree	C
13-2052	Personal Financial Advisors	400	460	60	15.0	10	10	0	\$74,580	\$49,710	\$31,600	\$96,070	Bachelor's degree	C
13-2053	Insurance Underwriters	360	360	0	0.0	10	0	10					Bachelor's degree	SC/C
13-2071	Loan Counselors	50	50	0	0.0	0	0	0	\$36,580	\$35,480	\$27,040	\$41,350	Bachelor's degree	SC/C
13-2072	Loan Officers	290	270	-20	-6.9	0	0	0	\$52,210	\$42,470	\$29,950	\$63,330	Bachelor's degree	SC/C
13-2081	Tax Examiners, Collectors, and Revenue Agents	190	190	0	0.0	10	0	10	\$52,210	\$51,380	\$37,660	\$59,490	Bachelor's degree	HS/SC/C
13-2099	Financial Specialists, All Other	90	90	0	0.0	0	0	0	\$40,110	\$36,360	\$26,980	\$46,680	Bachelor's degree	HS/SC/C
15-0000	Computer and Mathematical Occupations	5,560	6,330	770	13.8	200	80	120	\$66,910	\$61,270	\$39,540	\$80,600		
15-1000	Computer Specialists	5,480	6,250	770	14.1	190	80	110						
15-1021	Computer Programmers	920	850	-70	-7.6	20	0	20	\$63,490	\$59,030	\$39,900	\$75,290	Bachelor's degree	SC/C
15-1031	Computer Software Engineers, Applications	880	1,130	250	28.4	40	30	10	\$79,070	\$75,570	\$50,880	\$93,170	Bachelor's degree	C
15-1032	Computer Software Engineers, Systems Software	770	920	150	19.5	30	20	10	\$90,230	\$85,060	\$61,300	\$104,700	Bachelor's degree	C
15-1041	Computer Support Specialists	930	960	30	3.2	30	0	30	\$42,360	\$40,450	\$29,660	\$48,710	Associate degree	SC/C
15-1051	Computer Systems Analysts	570	660	90	15.8	30	10	20	\$72,140	\$63,990	\$44,490	\$85,960	Bachelor's degree	SC/C
15-1071	Network and Computer Systems Administrators	510	610	100	19.6	20	10	10	\$55,560	\$51,470	\$38,560	\$64,060	Bachelor's degree	SC/C
15-1081	Network Systems and Data Communications Analysts	430	610	180	41.9	30	20	10	\$57,390	\$52,500	\$37,370	\$67,400	Bachelor's degree	SC/C
15-2000	Mathematical Science Occupations	70	80	10	14.3	0	0	0						
17-0000	Architecture and Engineering Occupations	7,840	8,090	250	3.2	210	30	180	\$66,780	\$63,650	\$39,420	\$80,460		
17-1000	Architects, Surveyors, and Cartographers	260	300	40	15.4	10	0	10						
17-1011	Architects, Except Landscape and Naval	180	210	30	16.7	0	0	0	\$69,860	\$69,000	\$50,470	\$79,550	Bachelor's degree	C
17-1022	Surveyors	50	60	10	20.0	0	0	0	\$51,690	\$50,380	\$32,990	\$61,030	Bachelor's degree	C
17-2000	Engineers	5,110	5,240	130	2.5	130	10	120						
17-2051	Civil Engineers	400	420	20	5.0	10	0	10	\$65,680	\$64,120	\$48,850	\$74,090	Bachelor's degree	C
17-2061	Computer Hardware Engineers	270	270	0	0.0	10	0	10	\$104,640	\$105,610	\$70,070	\$121,930	Bachelor's degree	SC/C
17-2072	Electronics Engineers, Except Computer	760	690	-70	-9.2	20	0	20	\$91,030	\$93,300	\$66,890	\$103,100	Bachelor's degree	C
17-2081	Environmental Engineers	60	60	0	0.0	0	0	0	\$67,130	\$62,630	\$48,750	\$76,320	Bachelor's degree	C
17-2112	Industrial Engineers	1,040	1,240	200	19.2	50	20	30	\$76,970	\$73,380	\$53,100	\$88,900	Bachelor's degree	SC/C
17-2131	Materials Engineers	150	160	10	6.7	0	0	0					Bachelor's degree	SC/C
17-2141	Mechanical Engineers	1,210	1,190	-20	-1.7	30	0	30	\$71,020	\$69,010	\$53,530	\$79,770	Bachelor's degree	C

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17-2199	Engineers, All Other	100	110	10	10.0	0	0	0					Bachelor's degree	C
17-3000	Drafters, Engineering, and Mapping Technicians	2,470	2,550	80	3.2	60	10	50						
17-3011	Architectural and Civil Drafters	140	140	0	0.0	0	0	0	\$40,620	\$40,060	\$31,420	\$45,220	Postsecondary vocational training	SC/C
17-3012	Electrical and Electronics Drafters	120	120	0	0.0	0	0	0	\$51,800	\$52,710	\$33,030	\$61,180	Postsecondary vocational training	SC/C
17-3013	Mechanical Drafters	230	230	0	0.0	10	0	10	\$47,930	\$46,420	\$34,370	\$54,720	Postsecondary vocational training	SC/C
17-3022	Civil Engineering Technicians	110	120	10	9.1	0	0	0	\$49,290	\$48,440	\$32,490	\$57,690	Associate degree	HS/SC
17-3024	Electro-Mechanical Technicians	60	50	-10	-16.7	0	0	0	\$42,670	\$40,980	\$31,600	\$48,200	Associate degree	HS/SC
17-3026	Industrial Engineering Technicians	420	450	30	7.1	10	0	10	\$44,960	\$44,200	\$33,570	\$50,650	Associate degree	HS/SC
17-3027	Mechanical Engineering Technicians	160	140	-20	-12.5	0	0	0	\$46,640	\$45,780	\$36,170	\$51,870	Associate degree	HS/SC
17-3029	Engineering Technicians, Except Drafters, All Other	190	190	0	0.0	0	0	0	\$43,810	\$44,480	\$32,590	\$49,420	Associate degree	HS/SC
17-3031	Surveying and Mapping Technicians	90	100	10	11.1	0	0	0	\$31,550	\$31,390	\$20,450	\$37,090	Moderate-term on-the-job training	HS/SC
19-0000	Life, Physical, and Social Science Occupations	4,450	4,790	340	7.6	150	30	120	\$51,410	\$44,560	\$30,710	\$61,760		
19-1000	Life Scientists	910	1,020	110	12.1	40	10	30						
19-1031	Conservation Scientists	90	100	10	11.1	0	0	0	\$55,810	\$52,390	\$42,860	\$62,280	Bachelor's degree	C
19-1032	Foresters	60	60	0	0.0	0	0	0	\$49,230	\$49,840	\$36,790	\$55,460	Bachelor's degree	C
19-2000	Physical Scientists	400	400	0	0.0	10	0	10						
19-2031	Chemists	230	210	-20	-8.7	10	0	10	\$64,590	\$56,360	\$40,570	\$76,590	Bachelor's degree	C
19-2041	Environmental Scientists and Specialists, Including Health	100	120	20	20.0	0	0	0	\$57,650	\$55,390	\$39,070	\$66,940	Master's degree	C
19-3000	Social Scientists and Related Workers	1,220	1,270	50	4.1	30	10	20						
19-3031	Clinical, Counseling, and School Psychologists	500	520	20	4.0	10	0	10	\$64,390	\$61,040	\$45,610	\$73,780	Doctoral degree	C
19-3051	Urban and Regional Planners	50	50	0	0.0	0	0	0	\$55,080	\$51,880	\$41,480	\$61,890	Master's degree	C
19-3093	Historians	60	50	-10	-16.7	0	0	0	\$26,510	\$25,750	\$23,080	\$28,220	Master's degree	C
19-3099	Social Scientists and Related Workers, All Other	80	70	-10	-12.5	0	0	0					Master's degree	C
19-4000	Life, Physical, and Social Science Technicians	1,930	2,100	170	8.8	80	20	60						
19-4031	Chemical Technicians	160	170	10	6.3	10	0	10	\$42,210	\$42,420	\$30,710	\$47,960	Associate degree	HS/SC/C
19-4091	Environmental Science and Protection Technicians, Including Health	60	80	20	33.3	0	0	0	\$32,740	\$35,570	\$19,860	\$39,180	Associate degree	HS/SC/C
21-0000	Community and Social Services Occupations	6,440	7,270	830	12.9	190	80	110	\$39,390	\$37,160	\$23,910	\$47,130		
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	5,900	6,660	760	12.9	180	80	100						
21-1011	Substance Abuse and Behavioral Disorder Counselors	230	270	40	17.4	10	0	10	\$38,490	\$37,440	\$28,110	\$43,690	Master's degree	C
21-1012	Educational, Vocational, and School Counselors	820	860	40	4.9	20	0	20	\$52,270	\$50,270	\$36,990	\$59,910	Master's degree	C
21-1014	Mental Health Counselors	250	300	50	20.0	20	10	10	\$39,350	\$35,820	\$25,410	\$46,320	Master's degree	C
21-1015	Rehabilitation Counselors	670	770	100	14.9	20	10	10	\$24,750	\$22,950	\$18,800	\$27,730	Master's degree	C

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21-1021	Child, Family, and School Social Workers	730	840	110	15.1	30	10	20	\$42,820	\$39,560	\$30,300	\$49,080	Bachelor's degree	C
21-1022	Medical and Public Health Social Workers	230	270	40	17.4	10	0	10	\$48,460	\$46,340	\$34,530	\$55,420	Bachelor's degree	C
21-1023	Mental Health and Substance Abuse Social Workers	320	390	70	21.9	20	10	10	\$42,230	\$40,420	\$32,410	\$47,140	Master's degree	C
21-1029	Social Workers, All Other	520	540	20	3.8	10	0	10	\$47,220	\$47,620	\$33,900	\$53,890	Bachelor's degree	C
21-1091	Health Educators	150	180	30	20.0	0	0	0	\$39,680	\$38,020	\$29,650	\$44,690	Master's degree	SC/C
21-1092	Probation Officers and Correctional Treatment Specialists	190	200	10	5.3	0	0	0	\$53,050	\$53,660	\$42,310	\$58,420	Bachelor's degree	SC/C
21-1093	Social and Human Service Assistants	1,450	1,640	190	13.1	40	20	20	\$31,880	\$30,440	\$19,990	\$37,820	Moderate-term on-the-job training	SC/C
21-1099	Community and Social Service Specialists, All Other	280	340	60	21.4	10	10	0	\$41,010	\$39,180	\$27,840	\$47,600	Bachelor's degree	SC/C
21-2011	Clergy	290	320	30	10.3	0	0	0	\$49,500	\$37,290	\$25,300	\$61,600	Master's degree	C
21-2021	Directors, Religious Activities and Education	160	180	20	12.5	0	0	0	\$27,550	\$28,140	\$21,570	\$30,540	Bachelor's degree	SC/C
23-0000	Legal Occupations	2,100	2,270	170	8.1	60	20	40	\$85,930	\$85,440	\$47,190	\$105,300		
23-1000	Lawyers, Judges, and Related Workers	1,690	1,810	120	7.1	40	10	30						
23-1011	Lawyers	1,250	1,360	110	8.8	30	10	20	\$92,620	\$83,840	\$64,390	\$106,740	First professional degree	C
23-1023	Judges, Magistrate Judges, and Magistrates	420	430	10	2.4	10	0	10	\$107,830	\$109,020	\$85,590	\$118,950	Bachelor's or higher degree, plus work experience	C
23-2000	Legal Support Workers	410	460	50	12.2	20	10	10						
23-2011	Paralegals and Legal Assistants	260	310	50	19.2	10	10	0	\$48,140	\$40,650	\$32,280	\$56,080	Associate degree	SC/C
23-2092	Law Clerks	50	50	0	0.0	0	0	0	\$30,970	\$30,840	\$20,820	\$36,050	Bachelor's degree	HS/SC/C
25-0000	Education, Training, and Library Occupations	33,550	36,460	2,910	8.7	940	290	650	\$47,270	\$40,790	\$22,880	\$59,460		
25-1000	Postsecondary Teachers	11,850	13,780	1,930	16.3	390	190	200						C
25-2000	Primary, Secondary, and Special Education School Teachers	12,900	13,560	660	5.1	380	70	310						
25-2011	Preschool Teachers, Except Special Education	790	870	80	10.1	20	10	10	\$28,140	\$24,860	\$17,670	\$33,370	Postsecondary vocational training	HS/SC/C
25-2012	Kindergarten Teachers, Except Special Education	430	470	40	9.3	10	0	10	\$54,090	\$50,190	\$35,460	\$63,410	Bachelor's degree	HS/SC/C
25-2021	Elementary School Teachers, Except Special Education	3,900	4,180	280	7.2	120	30	90	\$52,320	\$50,340	\$34,790	\$61,090	Bachelor's degree	C
25-2022	Middle School Teachers, Except Special and Vocational Education	1,980	2,080	100	5.1	50	10	40	\$50,220	\$47,660	\$36,000	\$57,330	Bachelor's degree	C
25-2023	Vocational Education Teachers, Middle School	110	100	-10	-9.1	0	0	0	\$50,060	\$49,920	\$37,270	\$56,460	Bachelor's or higher degree, plus work experience	C
25-2031	Secondary School Teachers, Except Special and Vocational Education	3,860	3,850	-10	-0.3	120	0	120	\$52,640	\$49,910	\$39,540	\$59,190	Bachelor's degree	C
25-2032	Vocational Education Teachers, Secondary School	130	130	0	0.0	0	0	0	\$56,350	\$55,860	\$39,180	\$64,940	Bachelor's or higher degree, plus work experience	C
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	840	950	110	13.1	30	10	20	\$51,170	\$49,120	\$38,510	\$57,490	Bachelor's degree	C
25-2042	Special Education Teachers, Middle School	320	350	30	9.4	10	0	10	\$51,650	\$47,900	\$40,850	\$57,050	Bachelor's degree	C
25-2043	Special Education Teachers, Secondary School	540	580	40	7.4	10	0	10	\$55,150	\$52,400	\$41,700	\$61,880	Bachelor's degree	C
25-3000	Other Teachers and Instructors	2,590	2,720	130	5.0	40	10	30						
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	90	100	10	11.1	0	0	0	\$43,670	\$41,860	\$29,980	\$50,520	Bachelor's degree	SC/C

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		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
25-3021	Self-Enrichment Education Teachers	540	600	60	11.1	20	10	10	\$43,600	\$33,980	\$23,100	\$53,860	Work experience in a related occupation	SC/C
25-3099	Teachers and Instructors, All Other	1,960	2,020	60	3.1	30	10	20	\$26,860	\$24,150	\$20,770	\$29,900	Bachelor's degree	SC/C
25-4000	Librarians, Curators, and Archivists	620	650	30	4.8	20	0	20						
25-4021	Librarians	380	390	10	2.6	10	0	10	\$55,930	\$52,470	\$40,690	\$63,540	Master's degree	C
25-9000	Other Education, Training, and Library Occupations	5,590	5,750	160	2.9	110	20	90						
25-9021	Farm and Home Management Advisors	120	120	0	0.0	0	0	0	\$27,610	\$27,010	\$16,380	\$33,220	Bachelor's degree	C
25-9031	Instructional Coordinators	200	230	30	15.0	0	0	0	\$53,840	\$53,060	\$31,970	\$64,780	Master's degree	C
25-9041	Teacher Assistants	5,180	5,310	130	2.5	90	10	80	\$20,540	\$18,660	\$16,100	\$22,750	Short-term on-the-job training	HS/SC
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	5,370	5,610	240	4.5	150	20	130	\$38,980	\$34,380	\$20,710	\$48,120		
27-1000	Art and Design Workers	1,800	1,880	80	4.4	60	10	50						
27-1011	Art Directors	220	230	10	4.5	10	0	10	\$57,680	\$41,740	\$27,870	\$72,590	Bachelor's or higher degree, plus work experience	SC/C
27-1021	Commercial and Industrial Designers	120	110	-10	-8.3	0	0	0	\$58,900	\$59,230	\$37,250	\$69,730	Bachelor's degree	SC/C
27-1023	Floral Designers	320	300	-20	-6.3	10	0	10	\$23,560	\$22,380	\$17,410	\$26,640	Moderate-term on-the-job training	SC/C
27-1024	Graphic Designers	510	530	20	3.9	10	0	10	\$37,320	\$35,570	\$25,240	\$43,360	Bachelor's degree	SC/C
27-1025	Interior Designers	110	130	20	18.2	0	0	0	\$39,720	\$39,630	\$29,340	\$44,910	Associate degree	SC/C
27-1026	Merchandise Displayers and Window Trimmers	110	110	0	0.0	0	0	0	\$32,530	\$30,230	\$21,580	\$38,000	Moderate-term on-the-job training	SC/C
27-2000	Entertainers and Performers, Sports and Related Workers	1,710	1,840	130	7.6	50	10	40						
27-2012	Producers and Directors	200	210	10	5.0	10	0	10	\$49,320	\$37,140	\$22,530	\$62,720	Bachelor's or higher degree, plus work experience	SC/C
27-2022	Coaches and Scouts	400	430	30	7.5	10	0	10	\$41,440	\$35,870	\$22,150	\$51,080	Long-term on-the-job training	SC/C
27-2042	Musicians and Singers	700	760	60	8.6	20	10	10					Long-term on-the-job training	HS/SC/C
27-3000	Media and Communication Workers	1,450	1,470	20	1.4	40	0	40						
27-3011	Radio and Television Announcers	150	130	-20	-13.3	10	0	10	\$36,160	\$29,700	\$19,430	\$44,530	Long-term on-the-job training	HS/SC/C
27-3022	Reporters and Correspondents	150	140	-10	-6.7	10	0	10					Bachelor's or higher degree, plus work experience	C
27-3031	Public Relations Specialists	270	310	40	14.8	0	0	0	\$47,980	\$46,350	\$34,610	\$54,660	Bachelor's degree	C
27-3041	Editors	270	260	-10	-3.7	10	0	10	\$43,130	\$37,510	\$28,470	\$50,460	Bachelor's degree	C
27-3042	Technical Writers	170	180	10	5.9	10	0	10	\$47,590	\$46,260	\$32,340	\$55,220	Bachelor's degree	SC/C
27-3043	Writers and Authors	260	270	10	3.8	10	0	10	\$42,720	\$39,390	\$29,910	\$49,120	Bachelor's degree	C
27-4000	Media and Communication Equipment Workers	410	420	10	2.4	10	0	10						
27-4011	Audio and Video Equipment Technicians	50	60	10	20.0	0	0	0	\$39,150	\$36,790	\$27,320	\$45,060	Long-term on-the-job training	HS/SC/C
27-4021	Photographers	250	250	0	0.0	10	0	10					Long-term on-the-job training	HS/SC/C
29-0000	Healthcare Practitioners and Technical Occupations	14,430	16,150	1,720	11.9	450	170	280	\$59,310	\$48,490	\$32,040	\$72,940		
29-1000	Health Diagnosing and Treating Practitioners	9,030	10,210	1,180	13.1	270	120	150						
29-1011	Chiropractors	70	80	10	14.3	0	0	0	\$78,440	\$62,660	\$48,180	\$93,570	First professional degree	C

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		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
29-1021	Dentists, General	290	300	10	3.4	10	0	10	>\$166,400	n/a	\$119,110	>\$166,400	First professional degree	C
29-1031	Dietitians and Nutritionists	120	120	0	0.0	0	0	0	\$47,260	\$46,930	\$35,510	\$53,130	Bachelor's degree	HS/SC/C
29-1051	Pharmacists	430	460	30	7.0	10	0	10	\$103,800	\$102,520	\$82,470	\$114,460	First professional degree	C
29-1063	Internists, General	50	50	0	0.0	0	0	0					First professional degree	C
29-1066	Psychiatrists	80	80	0	0.0	0	0	0	\$151,920	\$146,860	\$123,870	\$165,940	First professional degree	C
29-1069	Physicians and Surgeons, All Other	610	670	60	9.8	20	10	10	>\$166,400	n/a	n/a	n/a	First professional degree	C
29-1071	Physician Assistants	210	250	40	19.0	0	0	0	\$80,260	\$78,940	\$65,110	\$87,830	Bachelor's degree	SC/C
29-1111	Registered Nurses	5,120	5,910	790	15.4	170	80	90	\$52,190	\$50,780	\$41,930	\$57,320	Associate degree	SC/C
29-1122	Occupational Therapists	320	360	40	12.5	10	0	10	\$63,590	\$60,920	\$44,500	\$73,130	Master's degree	C
29-1123	Physical Therapists	320	380	60	18.8	10	10	0	\$66,100	\$62,340	\$50,780	\$73,760	Master's degree	C
29-1125	Recreational Therapists	90	100	10	11.1	0	0	0	\$44,050	\$45,080	\$27,730	\$52,210	Bachelor's degree	SC/C
29-1126	Respiratory Therapists	140	160	20	14.3	0	0	0	\$54,700	\$52,840	\$42,850	\$60,630	Associate degree	SC/C
29-1127	Speech-Language Pathologists	240	250	10	4.2	10	0	10	\$62,830	\$59,220	\$47,040	\$70,730	Master's degree	C
29-1131	Veterinarians	180	220	40	22.2	0	0	0	\$76,620	\$72,120	\$48,310	\$90,780	First professional degree	C
29-2000	Health Technologists and Technicians	5,230	5,780	550	10.5	180	60	120						
29-2011	Medical and Clinical Laboratory Technologists	180	180	0	0.0	0	0	0	\$50,120	\$49,170	\$39,960	\$55,200	Bachelor's degree	SC/C
29-2012	Medical and Clinical Laboratory Technicians	240	260	20	8.3	0	0	0	\$37,710	\$35,990	\$27,920	\$42,600	Associate degree	SC/C
29-2021	Dental Hygienists	480	610	130	27.1	20	10	10	\$50,500	\$49,230	\$44,960	\$53,270	Associate degree	SC/C
29-2031	Cardiovascular Technologists and Technicians	70	80	10	14.3	0	0	0	\$48,170	\$47,110	\$32,580	\$55,970	Associate degree	SC/C
29-2032	Diagnostic Medical Sonographers	60	70	10	16.7	0	0	0	\$57,830	\$57,860	\$48,360	\$62,560	Associate degree	SC/C
29-2034	Radiologic Technologists and Technicians	360	400	40	11.1	10	0	10	\$49,130	\$47,630	\$38,140	\$54,630	Associate degree	SC/C
29-2041	Emergency Medical Technicians and Paramedics	240	290	50	20.8	10	10	0	\$26,490	\$25,420	\$20,430	\$29,520	Postsecondary vocational training	SC
29-2052	Pharmacy Technicians	260	300	40	15.4	10	0	10	\$26,800	\$25,200	\$20,370	\$30,020	Moderate-term on-the-job training	HS/SC
29-2053	Psychiatric Technicians	110	110	0	0.0	0	0	0	\$33,530	\$32,090	\$27,600	\$36,490	Moderate-term on-the-job training	HS/SC
29-2055	Surgical Technologists	80	90	10	12.5	0	0	0	\$35,970	\$33,930	\$26,970	\$40,480	Postsecondary vocational training	HS/SC
29-2056	Veterinary Technologists and Technicians	140	180	40	28.6	0	0	0	\$30,020	\$28,780	\$23,630	\$33,210	Associate degree	HS/SC
29-2061	Licensed Practical and Licensed Vocational Nurses	2,450	2,610	160	6.5	90	20	70	\$34,190	\$33,430	\$28,100	\$37,230	Postsecondary vocational training	HS/SC
29-2071	Medical Records and Health Information Technicians	280	310	30	10.7	10	0	10	\$28,920	\$24,450	\$18,210	\$34,270	Associate degree	HS/SC
29-2081	Opticians, Dispensing	90	90	0	0.0	0	0	0	\$40,180	\$40,310	\$30,260	\$45,150	Long-term on-the-job training	HS/SC
29-2099	Health Technologists and Technicians, All Other	120	120	0	0.0	0	0	0	\$41,720	\$41,840	\$24,470	\$50,350	Postsecondary vocational training	HS/SC/C
29-9000	Other Healthcare Practitioners and Technical Occupations	160	160	0	0.0	0	0	0						
29-9011	Occupational Health and Safety Specialists	100	100	0	0.0	0	0	0	\$57,310	\$56,030	\$42,520	\$64,710	Bachelor's degree	C

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31-0000	Healthcare Support Occupations	8,780	10,150	1,370	15.6	230	140	90	\$26,840	\$25,540	\$19,560	\$30,480		
31-1000	Nursing, Psychiatric, and Home Health Aides	6,490	7,510	1,020	15.7	160	100	60						
31-1011	Home Health Aides	2,830	3,530	700	24.7	100	70	30	\$25,550	\$23,210	\$17,640	\$29,500	Short-term on-the-job training	HS/SC
31-1012	Nursing Aides, Orderlies, and Attendants	3,280	3,590	310	9.5	60	30	30	\$25,500	\$24,480	\$20,520	\$27,990	Postsecondary vocational training	HS/SC
31-1013	Psychiatric Aides	390	390	0	0.0	0	0	0	\$34,120	\$34,910	\$27,560	\$37,400	Short-term on-the-job training	HS/SC
31-2011	Occupational Therapist Assistants	70	80	10	14.3	0	0	0	\$43,420	\$42,160	\$29,950	\$50,150	Associate degree	SC
31-2021	Physical Therapist Assistants	110	130	20	18.2	0	0	0	\$39,010	\$38,740	\$32,640	\$42,200	Associate degree	SC/C
31-2022	Physical Therapist Aides	60	70	10	16.7	0	0	0	\$26,000	\$24,080	\$19,820	\$29,090	Short-term on-the-job training	SC/C
31-9000	Other Healthcare Support Occupations	2,030	2,340	310	15.3	60	30	30						
31-9091	Dental Assistants	510	650	140	27.5	20	10	10	\$30,730	\$29,810	\$25,340	\$33,420	Moderate-term on-the-job training	HS/SC
31-9092	Medical Assistants	390	510	120	30.8	20	10	10	\$24,540	\$23,720	\$19,550	\$27,030	Moderate-term on-the-job training	HS/SC
31-9093	Medical Equipment Preparers	80	80	0	0.0	0	0	0	\$26,500	\$25,090	\$20,380	\$29,560	Short-term on-the-job training	HS/SC
31-9094	Medical Transcriptionists	200	220	20	10.0	0	0	0	\$30,190	\$29,380	\$22,600	\$33,990	Postsecondary vocational training	HS/SC
31-9095	Pharmacy Aides	180	160	-20	-11.1	0	0	0	\$20,870	\$19,250	\$16,020	\$23,300	Short-term on-the-job training	HS/SC
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	230	250	20	8.7	0	0	0	\$25,700	\$25,720	\$18,800	\$29,150	Short-term on-the-job training	HS/SC
33-0000	Protective Service Occupations	5,130	5,240	110	2.1	150	10	140	\$42,330	\$43,370	\$22,980	\$52,000		
33-1000	First-Line Supervisors/Managers, Protective Service Workers	460	470	10	2.2	10	0	10						
33-1012	First-Line Supervisors/Managers of Police and Detectives	180	180	0	0.0	10	0	10	\$62,300	\$61,570	\$49,580	\$68,670	Work experience in a related occupation	SC/C
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	60	60	0	0.0	0	0	0	\$64,780	\$62,870	\$54,990	\$69,680	Work experience in a related occupation	SC/C
33-2000	Fire Fighting and Prevention Workers	290	290	0	0.0	10	0	10						
33-2011	Fire Fighters	240	250	10	4.2	10	0	10	\$52,760	\$54,460	\$43,390	\$57,440	Long-term on-the-job training	HS/SC
33-3000	Law Enforcement Workers	2,380	2,400	20	0.8	60	0	60						
33-3011	Bailiffs	100	100	0	0.0	0	0	0	\$32,680	\$29,710	\$17,300	\$40,370	Moderate-term on-the-job training	HS/SC
33-3012	Correctional Officers and Jailers	1,300	1,280	-20	-1.5	30	0	30	\$49,420	\$51,480	\$36,110	\$56,070	Moderate-term on-the-job training	HS/SC
33-3021	Detectives and Criminal Investigators	140	140	0	0.0	0	0	0	\$51,320	\$50,950	\$40,900	\$56,530	Work experience in a related occupation	SC/C
33-3051	Police and Sheriff's Patrol Officers	830	860	30	3.6	20	0	20	\$47,940	\$49,100	\$35,840	\$53,990	Long-term on-the-job training	SC/C
33-9000	Other Protective Service Workers	2,010	2,070	60	3.0	70	10	60						
33-9011	Animal Control Workers	180	190	10	5.6	0	0	0	\$30,480	\$29,930	\$24,980	\$33,220	Moderate-term on-the-job training	HS/SC
33-9032	Security Guards	1,280	1,330	50	3.9	40	10	30	\$27,320	\$26,140	\$17,980	\$32,000	Short-term on-the-job training	HS/SC
33-9091	Crossing Guards	230	220	-10	-4.3	10	0	10	\$18,800	\$18,490	\$17,540	\$19,440	Short-term on-the-job training	HS/SC

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33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	230	240	10	4.3	20	0	20	\$18,490	\$16,990	\$15,710	\$19,880	Short-term on-the-job training	HS/SC/C
35-0000	Food Preparation and Serving Related Occupations	21,510	21,960	450	2.1	810	50	760	\$20,080	\$17,430	\$15,800	\$22,220		
35-1000	Supervisors, Food Preparation and Serving Workers	1,830	1,840	10	0.5	20	0	20						
35-1011	Chefs and Head Cooks	160	160	0	0.0	0	0	0	\$48,810	\$46,410	\$31,700	\$57,360	Work experience in a related occupation	HS/SC
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,660	1,690	30	1.8	10	0	10	\$28,050	\$26,080	\$19,470	\$32,350	Work experience in a related occupation	HS/SC
35-2000	Cooks and Food Preparation Workers	6,930	7,120	190	2.7	240	20	220						
35-2011	Cooks, Fast Food	820	820	0	0.0	20	0	20	\$17,640	\$16,470	\$15,530	\$18,700	Short-term on-the-job training	HS
35-2012	Cooks, Institution and Cafeteria	750	770	20	2.7	20	0	20	\$25,690	\$23,710	\$17,740	\$29,670	Moderate-term on-the-job training	HS
35-2014	Cooks, Restaurant	1,290	1,290	0	0.0	40	0	40	\$21,440	\$20,770	\$17,290	\$23,510	Long-term on-the-job training	HS
35-2015	Cooks, Short Order	430	430	0	0.0	10	0	10	\$21,140	\$20,250	\$16,520	\$23,450	Short-term on-the-job training	HS
35-2021	Food Preparation Workers	3,530	3,720	190	5.4	140	20	120	\$19,260	\$17,950	\$15,890	\$20,940	Short-term on-the-job training	HS
35-3000	Food and Beverage Serving Workers	10,280	10,500	220	2.1	440	20	420						
35-3011	Bartenders	1,380	1,380	0	0.0	50	0	50	\$18,790	\$17,340	\$16,020	\$20,180	Short-term on-the-job training	HS/SC
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,340	3,560	220	6.6	80	20	60	\$17,230	\$16,110	\$15,640	\$18,020	Short-term on-the-job training	HS/SC
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	820	830	10	1.2	60	0	60	\$16,990	\$15,990	\$15,610	\$17,690	Short-term on-the-job training	HS/SC
35-3031	Waiters and Waitresses	4,410	4,360	-50	-1.1	240	0	240	\$20,230	\$16,970	\$15,790	\$22,450	Short-term on-the-job training	HS/SC
35-3041	Food Servers, Nonrestaurant	340	360	20	5.9	10	0	10	\$22,260	\$19,890	\$15,660	\$25,560	Short-term on-the-job training	HS
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	570	580	10	1.8	20	0	20	\$18,080	\$16,490	\$15,790	\$19,230	Short-term on-the-job training	HS
35-9021	Dishwashers	1,420	1,420	0	0.0	60	0	60	\$17,320	\$16,380	\$15,820	\$18,080	Short-term on-the-job training	HS
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	470	460	-10	-2.1	30	0	30	\$18,400	\$16,450	\$15,740	\$19,730	Short-term on-the-job training	HS/SC
37-0000	Building and Grounds Cleaning and Maintenance Occupations	11,520	12,190	670	5.8	270	70	200	\$23,750	\$21,660	\$16,910	\$27,160		
37-1000	Supervisors, Building and Grounds Cleaning and Maintenance Workers	900	920	20	2.2	10	0	10						
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	620	630	10	1.6	10	0	10	\$38,020	\$36,880	\$25,820	\$44,120	Work experience in a related occupation	HS/SC
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	270	290	20	7.4	0	0	0	\$41,100	\$39,940	\$31,560	\$45,870	Work experience in a related occupation	HS/SC
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	6,290	6,670	380	6.0	160	40	120	\$22,650	\$21,230	\$16,980	\$25,490	Short-term on-the-job training	HS
37-2012	Maids and Housekeeping Cleaners	2,100	2,160	60	2.9	50	10	40	\$21,540	\$20,250	\$16,210	\$24,200	Short-term on-the-job training	HS
37-2021	Pest Control Workers	50	60	10	20.0	0	0	0	\$31,660	\$30,970	\$18,080	\$38,450	Moderate-term on-the-job training	HS/SC
37-3000	Grounds Maintenance Workers	2,180	2,380	200	9.2	50	20	30						
37-3011	Landscaping and Groundskeeping Workers	2,080	2,260	180	8.7	50	20	30	\$23,360	\$21,150	\$16,950	\$26,570	Short-term on-the-job training	HS
37-3019	Grounds Maintenance Workers, All Other	50	60	10	20.0	0	0	0	\$22,840	\$18,920	\$17,390	\$25,570	Short-term on-the-job training	HS
39-0000	Personal Care and Service Occupations	10,420	11,850	1,430	13.7	380	140	240	\$22,110	\$19,730	\$16,680	\$24,820		
39-1000	Supervisors, Personal Care and Service Workers	500	550	50	10.0	20	10	10						
39-1021	First-Line Supervisors/Managers of Personal Service Workers	500	540	40	8.0	10	0	10	\$34,760	\$32,150	\$25,840	\$39,210	Work experience in a related occupation	HS/SC
39-2000	Animal Care and Service Workers	590	640	50	8.5	20	10	10						
39-3000	Entertainment Attendants and Related Workers	550	600	50	9.1	40	10	30						

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SOC CODE	TITLE	Employment		Change		Annual Average Openings			Annual Wages (\$)				Typical Education and Training Requirements ³	Educational Cluster ³
		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
39-3031	Ushers, Lobby Attendants, and Ticket Takers	110	120	10	9.1	10	0	10	\$17,130	\$15,960	\$15,680	\$17,860	Short-term on-the-job training	HS/SC
39-3091	Amusement and Recreation Attendants	330	360	30	9.1	20	0	20	\$16,760	\$15,960	\$15,480	\$17,390	Short-term on-the-job training	HS/SC/C
39-4000	Funeral Service Workers	110	120	10	9.1	0	0	0						
39-5000	Personal Appearance Workers	1,230	1,280	50	4.1	30	10	20						
39-6000	Transportation, Tourism, and Lodging Attendants	150	170	20	13.3	0	0	0						
39-9011	Child Care Workers	3,660	4,040	380	10.4	150	40	110	\$19,430	\$18,310	\$15,960	\$21,160	Short-term on-the-job training	HS/SC
39-9021	Personal and Home Care Aides	2,070	2,800	730	35.3	110	70	40	\$19,880	\$19,680	\$17,870	\$20,890	Short-term on-the-job training	HS/SC
39-9031	Fitness Trainers and Aerobics Instructors	380	420	40	10.5	10	0	10	\$31,940	\$27,380	\$17,990	\$38,910	Postsecondary vocational training	SC/C
39-9032	Recreation Workers	920	990	70	7.6	30	10	20	\$24,030	\$21,540	\$17,940	\$27,080	Short-term on-the-job training	SC/C
39-9041	Residential Advisors	160	170	10	6.3	10	0	10	\$26,610	\$24,640	\$21,370	\$29,220	Moderate-term on-the-job training	HS/SC/C
41-0000	Sales and Related Occupations	29,130	29,490	360	1.2	970	40	930	\$29,620	\$19,970	\$15,880	\$36,490		
41-1000	Supervisors, Sales Workers	3,350	3,400	50	1.5	80	10	70						
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	2,500	2,550	50	2.0	60	10	50	\$37,010	\$32,910	\$22,840	\$44,100	Work experience in a related occupation	HS/SC/C
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	850	850	0	0.0	10	0	10	\$83,000	\$66,680	\$40,070	\$104,460	Work experience in a related occupation	HS/SC/C
41-2011	Cashiers	8,970	8,500	-470	-5.2	430	0	430	\$17,290	\$16,040	\$15,490	\$18,180	Short-term on-the-job training	HS/SC
41-2021	Counter and Rental Clerks	490	590	100	20.4	30	10	20	\$24,770	\$20,840	\$16,150	\$29,090	Short-term on-the-job training	HS/SC
41-2022	Parts Salespersons	510	450	-60	-11.8	10	0	10	\$28,210	\$25,810	\$19,660	\$32,480	Moderate-term on-the-job training	HS/SC
41-2031	Retail Salespersons	8,520	9,150	630	7.4	320	60	260	\$23,260	\$19,350	\$16,090	\$26,850	Short-term on-the-job training	HS/SC/C
41-3000	Sales Representatives, Services	1,930	2,120	190	9.8	60	20	40						
41-3011	Advertising Sales Agents	370	400	30	8.1	10	0	10	\$42,640	\$37,060	\$20,780	\$53,570	Moderate-term on-the-job training	SC/C
41-3021	Insurance Sales Agents	610	660	50	8.2	20	10	10	\$58,080	\$39,670	\$30,970	\$71,640	Bachelor's degree	HS/SC/C
41-3031	Securities, Commodities, and Financial Services Sales Agents	440	480	40	9.1	10	0	10	\$94,190	\$75,180	\$43,400	\$119,590	Bachelor's degree	SC/C
41-3041	Travel Agents	90	80	-10	-11.1	0	0	0	\$24,200	\$23,150	\$16,650	\$27,970	Postsecondary vocational training	HS/SC/C
41-3099	Sales Representatives, Services, All Other	420	500	80	19.0	20	10	10	\$52,860	\$51,720	\$29,380	\$64,590	Moderate-term on-the-job training	HS/SC/C
41-4000	Sales Representatives, Wholesale and Manufacturing	3,070	2,980	-90	-2.9	70	0	70						
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	560	520	-40	-7.1	10	0	10	\$81,240	\$70,070	\$47,800	\$97,970	Moderate-term on-the-job training	HS/SC/C
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,500	2,460	-40	-1.6	60	0	60	\$50,000	\$43,440	\$27,490	\$61,260	Moderate-term on-the-job training	HS/SC/C
41-9000	Other Sales and Related Workers	2,300	2,300	0	0.0	40	0	40						
41-9011	Demonstrators and Product Promoters	90	90	0	0.0	0	0	0	\$32,330	\$28,200	\$18,280	\$39,350	Moderate-term on-the-job training	HS/SC/C

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SOC CODE	TITLE	Employment		Change		Annual Average Openings			Annual Wages (\$)				Typical Education and Training Requirements ³	Educational Cluster ³
		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
41-9022	Real Estate Sales Agents	850	890	40	4.7	10	0	10	\$65,940	\$49,830	\$28,650	\$84,590	Postsecondary vocational training	HS/SC/C
41-9031	Sales Engineers	90	90	0	0.0	0	0	0	\$83,010	\$75,240	\$57,000	\$96,010	Bachelor's degree	C
41-9041	Telemarketers	370	310	-60	-16.2	10	0	10	\$26,310	\$22,150	\$16,580	\$31,170	Short-term on-the-job training	HS/SC
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	520	530	10	1.9	10	0	10	\$20,720	\$18,240	\$16,590	\$22,790	Short-term on-the-job training	HS/SC/C
41-9099	Sales and Related Workers, All Other	150	160	10	6.7	0	0	0	\$36,300	\$33,960	\$25,050	\$41,930	Moderate-term on-the-job training	HS/SC/C
43-0000	Office and Administrative Support Occupations	48,540	48,420	-120	-0.2	1,010	0	1,010	\$29,200	\$27,350	\$18,880	\$34,360		
43-1000	Supervisors, Office and Administrative Support Workers	2,850	2,800	-50	-1.8	60	0	60						
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	2,850	2,800	-50	-1.8	60	0	60	\$44,210	\$42,340	\$31,120	\$50,750	Work experience in a related occupation	HS/SC/C
43-2000	Communications Equipment Operators	360	280	-80	-22.2	10	0	10						
43-3021	Billing and Posting Clerks and Machine Operators	1,140	1,120	-20	-1.8	20	0	20	\$28,220	\$27,330	\$22,380	\$31,140	Moderate-term on-the-job training	HS/SC
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,600	4,880	280	6.1	100	30	70	\$30,910	\$29,780	\$22,130	\$35,290	Moderate-term on-the-job training	HS/SC
43-3051	Payroll and Timekeeping Clerks	440	420	-20	-4.5	10	0	10	\$33,340	\$33,130	\$24,850	\$37,590	Moderate-term on-the-job training	HS/SC
43-3061	Procurement Clerks	190	180	-10	-5.3	0	0	0	\$33,280	\$32,220	\$23,450	\$38,190	Short-term on-the-job training	HS/SC
43-3071	Tellers	1,200	1,120	-80	-6.7	50	0	50	\$23,120	\$22,790	\$19,080	\$25,140	Short-term on-the-job training	HS/SC
43-4000	Information and Record Clerks	9,320	9,730	410	4.4	280	40	240						
43-4031	Court, Municipal, and License Clerks	350	360	10	2.9	10	0	10	\$32,920	\$30,790	\$21,870	\$38,440	Short-term on-the-job training	HS/SC
43-4051	Customer Service Representatives	3,120	3,530	410	13.1	130	40	90	\$29,260	\$26,730	\$18,260	\$34,760	Moderate-term on-the-job training	HS/SC/C
43-4061	Eligibility Interviewers, Government Programs	330	320	-10	-3.0	10	0	10	\$36,570	\$36,540	\$29,770	\$39,970	Moderate-term on-the-job training	HS/SC/C
43-4071	File Clerks	310	170	-140	-45.2	10	0	10	\$21,780	\$19,960	\$17,510	\$23,910	Short-term on-the-job training	HS/SC
43-4081	Hotel, Motel, and Resort Desk Clerks	240	250	10	4.2	10	0	10	\$19,480	\$18,160	\$16,030	\$21,200	Short-term on-the-job training	HS/SC
43-4111	Interviewers, Except Eligibility and Loan	260	270	10	3.8	10	0	10	\$31,260	\$30,880	\$22,480	\$35,640	Short-term on-the-job training	HS/SC
43-4121	Library Assistants, Clerical	370	410	40	10.8	10	0	10	\$23,030	\$19,920	\$16,120	\$26,480	Short-term on-the-job training	HS/SC/C
43-4131	Loan Interviewers and Clerks	170	150	-20	-11.8	0	0	0	\$29,770	\$28,450	\$20,520	\$34,390	Short-term on-the-job training	HS/SC/C
43-4141	New Accounts Clerks	270	240	-30	-11.1	10	0	10	\$29,620	\$29,100	\$21,970	\$33,450	Work experience in a related occupation	HS/SC
43-4151	Order Clerks	320	240	-80	-25.0	10	0	10	\$26,930	\$24,930	\$17,660	\$31,560	Short-term on-the-job training	HS/SC
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	330	350	20	6.1	0	0	0	\$32,720	\$30,990	\$24,590	\$36,780	Short-term on-the-job training	HS/SC/C
43-4171	Receptionists and Information Clerks	2,340	2,630	290	12.4	90	30	60	\$24,490	\$23,990	\$18,880	\$27,300	Short-term on-the-job training	HS/SC
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	50	50	0	0.0	0	0	0					Short-term on-the-job training	HS/SC/C

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		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
43-4199	Information and Record Clerks, All Other	450	380	-70	-15.6	10	0	10	\$28,310	\$27,540	\$20,520	\$32,210	Short-term on-the-job training	HS/SC/C
43-5021	Couriers and Messengers	170	170	0	0.0	10	0	10	\$22,120	\$19,930	\$15,760	\$25,300	Short-term on-the-job training	HS/SC
43-5031	Police, Fire, and Ambulance Dispatchers	220	230	10	4.5	10	0	10	\$37,160	\$38,110	\$28,810	\$41,340	Moderate-term on-the-job training	HS/SC
43-5032	Dispatchers, Except Police, Fire, and Ambulance	360	340	-20	-5.6	10	0	10	\$30,380	\$28,790	\$21,510	\$34,810	Moderate-term on-the-job training	HS/SC
43-5041	Meter Readers, Utilities	60	50	-10	-16.7	0	0	0	\$32,590	\$33,440	\$19,730	\$39,020	Short-term on-the-job training	HS/SC
43-5051	Postal Service Clerks	180	180	0	0.0	0	0	0	\$44,910	\$45,830	\$41,960	\$46,380	Short-term on-the-job training	HS/SC
43-5052	Postal Service Mail Carriers	770	750	-20	-2.6	20	0	20	\$44,900	\$45,180	\$36,140	\$49,280	Short-term on-the-job training	HS/SC
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	310	280	-30	-9.7	0	0	0	\$39,490	\$43,880	\$25,950	\$46,260	Short-term on-the-job training	HS/SC
43-5061	Production, Planning, and Expediting Clerks	710	690	-20	-2.8	20	0	20	\$39,610	\$38,290	\$26,240	\$46,300	Short-term on-the-job training	HS/SC/C
43-5071	Shipping, Receiving, and Traffic Clerks	1,430	1,330	-100	-7.0	30	0	30	\$27,180	\$26,260	\$18,880	\$31,330	Short-term on-the-job training	HS/SC
43-5081	Stock Clerks and Order Fillers	3,590	3,090	-500	-13.9	90	0	90	\$21,560	\$18,900	\$16,080	\$24,300	Short-term on-the-job training	HS/SC
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	70	60	-10	-14.3	0	0	0	\$29,980	\$31,680	\$21,810	\$34,070	Short-term on-the-job training	HS/SC
43-6000	Secretaries and Administrative Assistants	9,490	9,660	170	1.8	170	20	150						
43-6011	Executive Secretaries and Administrative Assistants	2,950	3,240	290	9.8	80	30	50	\$38,040	\$36,570	\$27,240	\$43,450	Moderate-term on-the-job training	HS/SC
43-6012	Legal Secretaries	530	580	50	9.4	20	10	10	\$33,920	\$32,030	\$27,570	\$37,090	Postsecondary vocational training	HS/SC
43-6013	Medical Secretaries	440	500	60	13.6	20	10	10	\$26,980	\$24,400	\$20,370	\$30,280	Postsecondary vocational training	HS/SC
43-6014	Secretaries, Except Legal, Medical, and Executive	5,560	5,340	-220	-4.0	90	0	90	\$28,460	\$28,350	\$20,520	\$32,420	Moderate-term on-the-job training	HS/SC
43-9000	Other Office and Administrative Support Workers	10,100	9,780	-320	-3.2	200	0	200						
43-9011	Computer Operators	450	320	-130	-28.9	10	0	10	\$25,960	\$24,030	\$17,880	\$30,000	Moderate-term on-the-job training	HS/SC/C
43-9021	Data Entry Keyers	650	600	-50	-7.7	20	0	20	\$25,450	\$25,530	\$18,630	\$28,860	Moderate-term on-the-job training	HS/SC
43-9022	Word Processors and Typists	1,230	1,010	-220	-17.9	20	0	20	\$27,890	\$28,030	\$21,610	\$31,040	Moderate-term on-the-job training	HS/SC
43-9041	Insurance Claims and Policy Processing Clerks	520	480	-40	-7.7	10	0	10	\$31,170	\$29,590	\$24,950	\$34,290	Moderate-term on-the-job training	HS/SC
43-9061	Office Clerks, General	5,920	6,110	190	3.2	130	20	110	\$24,050	\$22,720	\$16,990	\$27,590	Short-term on-the-job training	HS/SC
43-9071	Office Machine Operators, Except Computer	110	80	-30	-27.3	0	0	0	\$25,750	\$21,740	\$16,610	\$30,320	Short-term on-the-job training	HS/SC
43-9199	Office and Administrative Support Workers, All Other	690	690	0	0.0	20	0	20					Short-term on-the-job training	HS/SC/C
45-0000	Farming, Fishing, and Forestry Occupations	2,660	2,700	40	1.5	60	0	60	\$27,770	\$20,490	\$17,050	\$33,130		
45-1000	Supervisors, Farming, Fishing, and Forestry Workers	110	110	0	0.0	0	0	0						HS
45-2000	Agricultural Workers	2,210	2,250	40	1.8	50	0	50						
45-2041	Graders and Sorters, Agricultural Products	170	160	-10	-5.9	0	0	0					Work experience in a related occupation	HS

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		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
45-2091	Agricultural Equipment Operators	140	140	0	0.0	0	0	0					Moderate-term on-the-job training	HS
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	1,560	1,590	30	1.9	40	0	40	\$19,700	\$18,750	\$16,880	\$21,120	Short-term on-the-job training	HS
45-2093	Farmworkers, Farm and Ranch Animals	270	290	20	7.4	10	0	10	\$20,940	\$16,700	\$16,120	\$23,350	Short-term on-the-job training	HS
45-3000	Fishing and Hunting Workers	100	100	0	0.0	0	0	0						
45-4000	Forest, Conservation, and Logging Workers	240	240	0	0.0	10	0	10						
47-0000	Construction and Extraction Occupations	12,390	13,440	1,050	8.5	320	110	210	\$41,500	\$37,310	\$25,860	\$49,320		
47-1000	Supervisors, Construction and Extraction Workers	1,120	1,190	70	6.3	30	10	20						
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1,120	1,190	70	6.3	30	10	20	\$55,570	\$50,330	\$38,070	\$64,320	Work experience in a related occupation	HS/SC
47-2000	Construction Trades Workers	8,160	8,960	800	9.8	210	80	130						
47-2021	Brickmasons and Blockmasons	160	180	20	12.5	0	0	0	\$54,120	\$54,050	\$42,590	\$59,880	Long-term on-the-job training	HS
47-2031	Carpenters	2,190	2,440	250	11.4	60	30	30	\$37,940	\$35,210	\$25,280	\$44,270	Long-term on-the-job training	HS/SC
47-2051	Cement Masons and Concrete Finishers	120	130	10	8.3	0	0	0	\$37,260	\$33,980	\$19,930	\$45,930	Moderate-term on-the-job training	HS
47-2061	Construction Laborers	1,770	1,980	210	11.9	30	20	10	\$40,930	\$35,170	\$24,330	\$49,220	Moderate-term on-the-job training	HS
47-2071	Paving, Surfacing, and Tamping Equipment Operators	50	60	10	20.0	0	0	0					Moderate-term on-the-job training	HS
47-2073	Operating Engineers and Other Construction Equipment Operators	1,000	1,090	90	9.0	30	10	20	\$47,100	\$41,130	\$31,650	\$54,820	Moderate-term on-the-job training	HS/SC
47-2111	Electricians	1,010	1,090	80	7.9	40	10	30	\$53,270	\$51,410	\$34,950	\$62,440	Long-term on-the-job training	HS/SC
47-2152	Plumbers, Pipefitters, and Steamfitters	600	640	40	6.7	10	0	10	\$52,840	\$54,140	\$31,450	\$63,540	Long-term on-the-job training	HS/SC
47-2181	Roofers	180	210	30	16.7	0	0	0	\$37,280	\$34,400	\$27,160	\$42,340	Moderate-term on-the-job training	HS
47-2211	Sheet Metal Workers	210	230	20	9.5	10	0	10	\$38,060	\$36,060	\$22,230	\$45,980	Long-term on-the-job training	HS/SC
47-3000	Helpers, Construction Trades	360	410	50	13.9	20	10	10						
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	70	70	0	0.0	0	0	0	\$37,830	\$41,510	\$25,670	\$43,910	Short-term on-the-job training	HS
47-3012	Helpers--Carpenters	160	180	20	12.5	0	0	0	\$28,350	\$26,790	\$20,990	\$32,040	Short-term on-the-job training	HS
47-4000	Other Construction and Related Workers	2,640	2,760	120	4.5	60	10	50						
47-4011	Construction and Building Inspectors	300	350	50	16.7	20	10	10	\$43,420	\$41,590	\$29,860	\$50,200	Work experience in a related occupation	HS/SC/C
47-4041	Hazardous Materials Removal Workers	60	60	0	0.0	0	0	0					Moderate-term on-the-job training	HS/SC
47-4051	Highway Maintenance Workers	2,080	2,130	50	2.4	50	10	40	\$31,840	\$31,860	\$25,410	\$35,060	Moderate-term on-the-job training	HS/SC
47-5000	Extraction Workers	110	110	0	0.0	0	0	0						
49-0000	Installation, Maintenance, and Repair Occupations	10,680	10,890	210	2.0	190	20	170	\$37,700	\$34,900	\$23,670	\$44,720		
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	800	790	-10	-1.3	20	0	20						
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	800	790	-10	-1.3	20	0	20	\$53,470	\$52,260	\$36,750	\$61,820	Work experience in a related occupation	HS/SC
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	940	930	-10	-1.1	20	0	20						

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49-2011	Computer, Automated Teller, and Office Machine Repairers	290	280	-10	-3.4	0	0	0	\$38,980	\$38,070	\$27,020	\$44,970	Postsecondary vocational training	HS/SC/C
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	200	210	10	5.0	10	0	10	\$45,600	\$40,920	\$27,200	\$54,810	Long-term on-the-job training	HS/SC
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	270	260	-10	-3.7	10	0	10	\$45,760	\$45,840	\$32,910	\$52,190	Postsecondary vocational training	HS/SC
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	3,380	3,550	170	5.0	90	20	70						
49-3011	Aircraft Mechanics and Service Technicians	50	50	0	0.0	0	0	0					Postsecondary vocational training	HS/SC
49-3021	Automotive Body and Related Repairers	330	330	0	0.0	10	0	10	\$30,450	\$29,640	\$20,620	\$35,370	Long-term on-the-job training	HS/SC
49-3023	Automotive Service Technicians and Mechanics	1,660	1,760	100	6.0	40	10	30	\$31,530	\$30,080	\$21,580	\$36,500	Postsecondary vocational training	HS/SC
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	680	710	30	4.4	20	0	20	\$34,860	\$34,480	\$24,540	\$40,020	Postsecondary vocational training	HS/SC
49-3052	Motorcycle Mechanics	50	50	0	0.0	0	0	0	\$27,610	\$27,070	\$17,630	\$32,600	Long-term on-the-job training	HS/SC
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	80	90	10	12.5	0	0	0	\$29,020	\$28,320	\$24,010	\$31,520	Moderate-term on-the-job training	HS/SC
49-9000	Other Installation, Maintenance, and Repair Occupations	5,550	5,610	60	1.1	70	10	60						
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	80	80	0	0.0	0	0	0					Moderate-term on-the-job training	HS/SC
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	420	420	0	0.0	10	0	10	\$36,040	\$33,860	\$24,550	\$41,790	Long-term on-the-job training	HS/SC
49-9031	Home Appliance Repairers	70	70	0	0.0	0	0	0					Long-term on-the-job training	HS/SC
49-9041	Industrial Machinery Mechanics	540	560	20	3.7	10	0	10	\$39,690	\$38,580	\$28,680	\$45,190	Long-term on-the-job training	HS/SC
49-9042	Maintenance and Repair Workers, General	2,590	2,620	30	1.2	10	0	10	\$32,620	\$31,830	\$22,110	\$37,890	Moderate-term on-the-job training	HS/SC
49-9043	Maintenance Workers, Machinery	290	260	-30	-10.3	10	0	10	\$39,390	\$39,760	\$25,890	\$46,140	Short-term on-the-job training	HS/SC
49-9051	Electrical Power-Line Installers and Repairers	220	220	0	0.0	10	0	10	\$62,770	\$66,570	\$45,500	\$71,410	Long-term on-the-job training	HS/SC
49-9052	Telecommunications Line Installers and Repairers	460	480	20	4.3	10	0	10	\$52,500	\$55,540	\$26,900	\$65,300	Long-term on-the-job training	HS/SC
49-9094	Locksmiths and Safe Repairers	50	50	0	0.0	0	0	0	\$33,740	\$35,530	\$19,830	\$40,700	Moderate-term on-the-job training	HS/SC
49-9098	Helpers--Installation, Maintenance, and Repair Workers	310	320	10	3.2	10	0	10	\$27,910	\$27,530	\$20,920	\$31,410	Short-term on-the-job training	HS/SC
49-9099	Installation, Maintenance, and Repair Workers, All Other	260	260	0	0.0	0	0	0	\$36,510	\$35,530	\$22,000	\$43,770	Moderate-term on-the-job training	HS/SC
51-0000	Production Occupations	24,690	22,120	-2,570	-10.4	480	0	480	\$31,060	\$29,120	\$19,360	\$36,910		
51-1000	Supervisors, Production Workers	1,580	1,440	-140	-8.9	30	0	30						
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,580	1,440	-140	-8.9	30	0	30	\$49,540	\$47,030	\$32,320	\$58,150	Work experience in a related occupation	HS/SC
51-2000	Assemblers and Fabricators	6,300	5,720	-580	-9.2	120	0	120						
51-2021	Coil Winders, Tapers, and Finishers	360	260	-100	-27.8	10	0	10	\$21,670	\$19,940	\$17,660	\$23,680	Short-term on-the-job training	HS/SC

OCCUPATIONAL PROJECTIONS 2006-2016
SOUTHERN TIER REGION

SOC CODE	TITLE	Employment		Change		Annual Average Openings			Annual Wages (\$)				Typical Education and Training Requirements ³	Educational Cluster ³
		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
51-2031	Engine and Other Machine Assemblers	230	210	-20	-8.7	10	0	10	\$30,110	\$29,720	\$24,190	\$33,060	Short-term on-the-job training	HS/SC
51-2041	Structural Metal Fabricators and Fitters	120	120	0	0.0	0	0	0	\$37,850	\$35,080	\$27,610	\$42,970	Moderate-term on-the-job training	HS/SC
51-2092	Team Assemblers	3,080	3,070	-10	-0.3	60	0	60	\$25,950	\$21,590	\$17,070	\$30,380	Moderate-term on-the-job training	HS/SC
51-2099	Assemblers and Fabricators, All Other	100	80	-20	-20.0	0	0	0	\$21,460	\$19,500	\$16,520	\$23,940	Moderate-term on-the-job training	HS/SC
51-3000	Food Processing Workers	1,190	1,190	0	0.0	30	0	30						
51-3011	Bakers	290	290	0	0.0	10	0	10	\$23,540	\$24,110	\$17,100	\$26,770	Long-term on-the-job training	HS
51-3021	Butchers and Meat Cutters	250	240	-10	-4.0	10	0	10	\$33,200	\$33,710	\$23,180	\$38,200	Long-term on-the-job training	HS
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	210	220	10	4.8	10	0	10	\$19,750	\$18,060	\$16,120	\$21,570	Short-term on-the-job training	HS
51-3092	Food Batchmakers	300	320	20	6.7	10	0	10	\$21,870	\$17,770	\$15,810	\$24,910	Short-term on-the-job training	HS
51-3093	Food Cooking Machine Operators and Tenders	130	110	-20	-15.4	10	0	10	\$25,240	\$24,550	\$15,910	\$29,910	Short-term on-the-job training	HS
51-4000	Metal Workers and Plastic Workers	5,320	4,840	-480	-9.0	100	0	100						
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	490	430	-60	-12.2	10	0	10	\$32,760	\$32,840	\$23,800	\$37,240	Moderate-term on-the-job training	HS/SC
51-4012	Numerical Tool and Process Control Programmers	90	70	-20	-22.2	0	0	0	\$35,780	\$34,080	\$23,450	\$41,950	Long-term on-the-job training	HS/SC
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	580	500	-80	-13.8	10	0	10	\$25,370	\$23,690	\$18,940	\$28,590	Moderate-term on-the-job training	HS/SC
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	70	50	-20	-28.6	0	0	0	\$29,890	\$27,960	\$20,750	\$34,460	Moderate-term on-the-job training	HS
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	430	380	-50	-11.6	0	0	0	\$31,890	\$29,270	\$21,060	\$37,310	Moderate-term on-the-job training	HS
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	160	120	-40	-25.0	0	0	0	\$32,700	\$31,660	\$25,220	\$36,440	Moderate-term on-the-job training	HS/SC
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	150	140	-10	-6.7	0	0	0	\$29,580	\$28,450	\$23,090	\$32,830	Moderate-term on-the-job training	HS/SC
51-4041	Machinists	1,100	1,080	-20	-1.8	20	0	20	\$33,340	\$31,500	\$23,400	\$38,310	Long-term on-the-job training	HS/SC
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	180	140	-40	-22.2	0	0	0	\$27,410	\$28,280	\$18,420	\$31,910	Moderate-term on-the-job training	HS/SC
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	300	290	-10	-3.3	10	0	10					Moderate-term on-the-job training	HS/SC
51-4111	Tool and Die Makers	300	260	-40	-13.3	0	0	0	\$43,590	\$44,580	\$31,480	\$49,640	Long-term on-the-job training	HS/SC
51-4121	Welders, Cutters, Solderers, and Brazers	790	770	-20	-2.5	20	0	20	\$32,750	\$31,870	\$22,780	\$37,740	Long-term on-the-job training	HS/SC
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	230	200	-30	-13.0	10	0	10	\$28,770	\$26,680	\$21,720	\$32,300	Moderate-term on-the-job training	HS
51-5000	Printing Workers	900	770	-130	-14.4	20	0	20						
51-5011	Bindery Workers	180	130	-50	-27.8	0	0	0	\$24,080	\$20,250	\$16,660	\$27,790	Short-term on-the-job training	HS/SC
51-5023	Printing Machine Operators	550	500	-50	-9.1	10	0	10	\$31,120	\$30,970	\$19,620	\$36,870	Moderate-term on-the-job training	HS/SC
51-6000	Textile, Apparel, and Furnishings Workers	1,120	1,080	-40	-3.6	20	0	20						

OCCUPATIONAL PROJECTIONS 2006-2016
SOUTHERN TIER REGION

SOC CODE	TITLE	Employment		Change		Annual Average Openings			Annual Wages (\$)				Typical Education and Training Requirements ³	Educational Cluster ³
		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
51-6011	Laundry and Dry-Cleaning Workers	410	430	20	4.9	10	0	10	\$21,050	\$19,940	\$17,050	\$23,040	Moderate-term on-the-job training	HS
51-7000	Woodworkers	800	750	-50	-6.3	20	0	20						
51-7011	Cabinetmakers and Bench Carpenters	160	160	0	0.0	10	0	10	\$29,220	\$28,300	\$19,320	\$34,170	Long-term on-the-job training	HS/SC
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	190	170	-20	-10.5	0	0	0	\$27,150	\$25,160	\$19,070	\$31,200	Moderate-term on-the-job training	HS
51-8000	Plant and System Operators	420	410	-10	-2.4	10	0	10						
51-8021	Stationary Engineers and Boiler Operators	120	110	-10	-8.3	0	0	0	\$52,360	\$47,680	\$34,930	\$61,080	Long-term on-the-job training	HS/SC
51-8031	Water and Liquid Waste Treatment Plant and System Operators	180	180	0	0.0	0	0	0	\$37,920	\$38,280	\$30,710	\$41,530	Long-term on-the-job training	HS/SC
51-9000	Other Production Occupations	7,050	5,930	-1,120	-15.9	140	0	140						
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	160	130	-30	-18.8	0	0	0	\$37,710	\$37,710	\$32,790	\$40,180	Moderate-term on-the-job training	HS/SC
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	150	110	-40	-26.7	0	0	0	\$37,040	\$37,550	\$32,300	\$39,420	Moderate-term on-the-job training	HS/SC
51-9022	Grinding and Polishing Workers, Hand	60	50	-10	-16.7	0	0	0	\$30,390	\$29,430	\$21,920	\$34,630	Moderate-term on-the-job training	HS/SC
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	440	370	-70	-15.9	10	0	10	\$30,440	\$31,270	\$22,460	\$34,420	Moderate-term on-the-job training	HS/SC
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	270	220	-50	-18.5	0	0	0	\$34,760	\$36,880	\$24,340	\$39,970	Moderate-term on-the-job training	HS/SC
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	120	100	-20	-16.7	0	0	0	\$37,120	\$37,850	\$31,550	\$39,900	Moderate-term on-the-job training	HS/SC
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,650	1,380	-270	-16.4	20	0	20	\$31,260	\$31,210	\$22,010	\$35,880	Moderate-term on-the-job training	HS/SC
51-9111	Packaging and Filling Machine Operators and Tenders	930	710	-220	-23.7	20	0	20	\$29,390	\$27,270	\$18,220	\$34,980	Short-term on-the-job training	HS
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	180	150	-30	-16.7	0	0	0	\$29,700	\$29,930	\$21,940	\$33,580	Moderate-term on-the-job training	HS
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	140	120	-20	-14.3	0	0	0	\$32,460	\$33,150	\$24,350	\$36,510	Moderate-term on-the-job training	HS
51-9196	Paper Goods Machine Setters, Operators, and Tenders	320	270	-50	-15.6	10	0	10	\$34,440	\$36,180	\$24,520	\$39,400	Moderate-term on-the-job training	HS/SC
51-9198	Helpers--Production Workers	920	810	-110	-12.0	20	0	20	\$23,360	\$22,630	\$17,210	\$26,440	Short-term on-the-job training	HS
53-0000	Transportation and Material Moving Occupations	17,360	17,040	-320	-1.8	370	0	370	\$27,660	\$25,380	\$17,660	\$32,660		
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	240	240	0	0.0	10	0	10	\$42,820	\$41,160	\$28,830	\$49,810	Work experience in a related occupation	HS/SC
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	440	440	0	0.0	10	0	10	\$49,700	\$48,170	\$33,940	\$57,580	Work experience in a related occupation	HS/SC
53-2000	Air Transportation Workers	60	70	10	16.7	0	0	0						
53-3000	Motor Vehicle Operators	9,120	9,380	260	2.9	180	30	150						
53-3022	Bus Drivers, School	1,980	2,040	60	3.0	40	10	30	\$28,100	\$27,250	\$21,470	\$31,420	Short-term on-the-job training	HS/SC
53-3031	Driver/Sales Workers	590	560	-30	-5.1	10	0	10	\$28,980	\$28,360	\$18,610	\$34,160	Short-term on-the-job training	HS/SC
53-3032	Truck Drivers, Heavy and Tractor-Trailer	3,010	3,030	20	0.7	50	0	50	\$33,390	\$30,960	\$24,410	\$37,880	Moderate-term on-the-job training	HS/SC

OCCUPATIONAL PROJECTIONS 2006-2016 SOUTHERN TIER REGION

SOC CODE	TITLE	Employment		Change		Annual Average Openings			Annual Wages (\$)				Typical Education and Training Requirements ³	Educational Cluster ³
		2006	2016	Level	Percent	Total	Growth	Replacement	Mean	Median	Entry ¹	Experienced ²		
53-3033	Truck Drivers, Light or Delivery Services	2,610	2,740	130	5.0	60	10	50	\$26,110	\$21,850	\$16,760	\$30,790	Short-term on-the-job training	HS/SC
53-3041	Taxi Drivers and Chauffeurs	470	520	50	10.6	20	10	10	\$21,840	\$19,480	\$15,910	\$24,810	Short-term on-the-job training	HS/SC
53-3099	Motor Vehicle Operators, All Other	90	90	0	0.0	0	0	0					Short-term on-the-job training	HS
53-4000	Rail Transportation Workers	340	350	10	2.9	10	0	10						
53-4011	Locomotive Engineers	120	130	10	8.3	0	0	0					Moderate-term on-the-job training	HS/SC
53-4021	Railroad Brake, Signal, and Switch Operators	60	50	-10	-16.7	0	0	0					Moderate-term on-the-job training	HS/SC
53-4031	Railroad Conductors and Yardmasters	120	130	10	8.3	10	0	10					Moderate-term on-the-job training	HS/SC
53-6000	Other Transportation Workers	320	340	20	6.3	10	0	10						
53-6031	Service Station Attendants	90	100	10	11.1	0	0	0	\$21,580	\$19,610	\$17,140	\$23,800	Short-term on-the-job training	HS/SC
53-7000	Material Moving Workers	6,810	6,190	-620	-9.1	180	0	180						
53-7032	Excavating and Loading Machine and Dragline Operators	80	80	0	0.0	0	0	0	\$37,870	\$35,840	\$26,550	\$43,530	Moderate-term on-the-job training	HS
53-7051	Industrial Truck and Tractor Operators	1,050	940	-110	-10.5	30	0	30	\$26,320	\$26,370	\$18,250	\$30,360	Short-term on-the-job training	HS
53-7061	Cleaners of Vehicles and Equipment	410	410	0	0.0	20	0	20	\$21,910	\$19,750	\$16,350	\$24,680	Short-term on-the-job training	HS
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	3,300	3,120	-180	-5.5	110	0	110	\$22,260	\$20,550	\$17,070	\$24,850	Short-term on-the-job training	HS/SC
53-7063	Machine Feeders and Offbearers	400	320	-80	-20.0	10	0	10	\$25,600	\$24,710	\$18,810	\$28,990	Short-term on-the-job training	HS
53-7064	Packers and Packagers, Hand	1,130	910	-220	-19.5	10	0	10	\$21,710	\$18,670	\$15,790	\$24,670	Short-term on-the-job training	HS
53-7081	Refuse and Recyclable Material Collectors	220	220	0	0.0	10	0	10	\$25,280	\$24,240	\$18,240	\$28,800	Short-term on-the-job training	HS

Source: New York State Department of Labor, Division of Research and Statistics

¹ *Entry wage:* The mean (average) of the bottom third of wages in an occupation.

² *Experienced wage:* The mean (average) of the top two-thirds of wages in an occupation.

³ *Typical Education and Training Requirements* and *Education Cluster* descriptions found here - <http://www.bls.gov/emp/optd/optd001.pdf>

⁴ *Employment Prospects* technical notes found at - <http://www.labor.state.ny.us/workforceindustrydata/lstechdesc.shtml>

Note: Highlighted regional growth rate indicates positive growth greater than that of the state and nation.

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Least Favorable
Favorable
Least Favorable
Favorable

Employment Prospects⁴
Very Favorable
Favorable
Least Favorable
Favorable
Least Favorable
Favorable
Favorable
Least Favorable
Favorable
Favorable
Favorable
Least Favorable
Favorable
Least Favorable