

**State College MSA
Occupational Employment
2012-2022 Long-Term Projections**

SOC Code	Occupational Title	Estimated 2012	Projected 2022	Percent Change	Average Annual Openings		
					Due to Growth ^{1/}	Due to Replace. ^{2/}	Total ^{3/}
00-0000	Total, All Occupations	72,130	78,020	8.2%	661	1,699	2,360
11-0000	Management Occupations	4,550	4,790	5.3%	33	93	126
11-1000	Top Executives	830	910	9.6%	8	16	24
11-1011	Chief Executives	150	150	0.0%	0	3	3
11-1021	General & Operations Managers	660	740	12.1%	8	12	20
11-1031	Legislators	20	20	0.0%	0	0	0
11-2000	Advertising, Marketing, Promotions, Public Relations & Sales Managers	250	260	4.0%	1	5	6
11-2021	Marketing Managers	70	70	0.0%	0	1	1
11-2022	Sales Managers	120	120	0.0%	0	3	3
11-3000	Operations Specialties Managers	550	600	9.1%	6	10	16
11-3011	Administrative Services Managers	140	150	7.1%	2	2	4
11-3021	Computer & Information Systems Managers	60	80	33.3%	2	1	3
11-3031	Financial Managers	190	210	10.5%	2	4	6
11-3051	Industrial Production Managers	80	80	0.0%	0	2	2
11-3121	Human Resources Managers	50	60	20.0%	1	1	2
11-9000	Other Management Occupations	2,920	3,020	3.4%	18	62	80
11-9021	Construction Managers	90	100	11.1%	1	1	2
11-9032	Education Administrators, Elementary & Secondary School	80	80	0.0%	0	2	2
11-9041	Architectural & Engineering Managers	50	50	0.0%	0	1	1
11-9051	Food Service Managers	250	240	-4.0%	0	4	4
11-9081	Lodging Managers	20	20	0.0%	0	1	1
11-9111	Medical & Health Services Managers	120	130	8.3%	1	3	4
11-9121	Natural Sciences Managers	10	10	0.0%	0	0	0
11-9131	Postmasters & Mail Superintendents	20	20	0.0%	0	0	0
11-9141	Property, Real Estate & Community Association Managers	30	30	0.0%	0	1	1
11-9151	Social & Community Service Managers	90	100	11.1%	1	2	3
13-0000	Business & Financial Operations Occupations	2,390	2,700	13.0%	32	46	78
13-1000	Business Operations Specialists	1,620	1,850	14.2%	24	27	51
13-1022	Wholesale & Retail Buyers	40	50	25.0%	0	1	1
13-1023	Purchasing Agents	130	130	0.0%	0	2	2
13-1041	Compliance Officers	90	100	11.1%	1	2	3
13-1051	Cost Estimators	100	130	30.0%	2	3	5
13-1071	Human Resources Specialists	80	90	12.5%	0	2	2
13-1075	Labor Relations Specialists	40	40	0.0%	0	1	1
13-1081	Logisticians	20	20	0.0%	0	0	0

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13-1111	Management Analysts	200	250	25.0%	5	3	8
13-1121	Meeting, Convention & Event Planners	50	60	20.0%	1	1	2
13-1131	Fundraisers	30	30	0.0%	0	0	0
13-1141	Compensation, Benefits & Job Analysis Specialists	40	50	25.0%	1	1	2
13-1151	Training & Development Specialists	90	100	11.1%	1	2	3
13-1161	Market Research Analysts & Marketing Specialists	160	210	31.2%	6	2	8
13-2000	Financial Specialists	770	850	10.4%	8	18	26
13-2011	Accountants & Auditors	330	370	12.1%	4	10	14
13-2021	Appraisers & Assessors of Real Estate	30	30	0.0%	0	0	0
13-2041	Credit Analysts	10	20	100.0%	0	0	0
13-2051	Financial Analysts	60	80	33.3%	1	2	3
13-2052	Personal Financial Advisors	90	100	11.1%	1	1	2
13-2072	Loan Officers	90	90	0.0%	0	2	2
13-2081	Tax Examiners, Collectors & Revenue Agents	20	20	0.0%	0	1	1
13-2082	Tax Preparers	30	30	0.0%	0	0	0
15-0000	Computer & Mathematical Occupations	1,270	1,550	22.0%	28	21	49
15-1100	Computer Occupations	1,240	1,510	21.8%	27	20	47
15-1121	Computer Systems Analysts	80	100	25.0%	2	1	3
15-1131	Computer Programmers	120	140	16.7%	2	3	5
15-1132	Software Developers, Applications	140	210	50.0%	6	2	8
15-1133	Software Developers, Systems Software	80	100	25.0%	1	1	2
15-1134	Web Developers	40	40	0.0%	1	1	2
15-1142	Network & Computer Systems Administrators	210	230	9.5%	2	3	5
15-1151	Computer User Support Specialists	380	470	23.7%	9	6	15
15-1152	Computer Network Support Specialists	20	20	0.0%	0	0	0
15-2000	Mathematical Scientists	30	40	33.3%	1	1	2
15-2031	Operations Research Analysts	20	20	0.0%	0	0	0
15-2041	Statisticians	10	20	100.0%	0	0	0
17-0000	Architecture & Engineering Occupations	1,390	1,540	10.8%	18	32	50
17-1000	Architects, Surveyors & Cartographers	90	110	22.2%	2	2	4
17-1011	Architects	30	30	0.0%	0	1	1
17-1022	Surveyors	30	40	33.3%	1	1	2
17-2000	Engineers	720	820	13.9%	11	19	30
17-2051	Civil Engineers	200	260	30.0%	6	5	11
17-2071	Electrical Engineers	80	80	0.0%	0	2	2

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17-2072	Electronics Engineers	80	80	0.0%	0	2	2
17-2081	Environmental Engineers	50	60	20.0%	1	1	2
17-2111	Health & Safety Engineers	20	20	0.0%	0	0	0
17-2112	Industrial Engineers	80	90	12.5%	0	2	2
17-2131	Materials Engineers	50	50	0.0%	0	2	2
17-2141	Mechanical Engineers	130	140	7.7%	2	4	6
17-3000	Drafters, Engineering & Mapping Technicians	580	610	5.2%	5	11	16
17-3011	Architectural & Civil Drafters	60	60	0.0%	0	1	1
17-3012	Electrical & Electronics Drafters	20	10	-50.0%	0	0	0
17-3013	Mechanical Drafters	50	50	0.0%	0	1	1
17-3022	Civil Engineering Technicians	40	50	25.0%	1	1	2
17-3023	Electrical & Electronic Engineering Technicians	80	80	0.0%	1	2	3
17-3024	Electro-Mechanical Technicians	40	30	-25.0%	0	1	1
17-3031	Surveying & Mapping Technicians	10	20	100.0%	0	0	0
19-0000	Life, Physical & Social Science Occupations	420	470	11.9%	5	12	17
19-1000	Life Scientists	90	110	22.2%	2	2	4
19-1021	Biochemists & Biophysicists	20	30	50.0%	0	1	1
19-1031	Conservation Scientists	10	20	100.0%	0	0	0
19-2000	Physical Scientists	130	150	15.4%	2	4	6
19-2031	Chemists	80	90	12.5%	1	2	3
19-2042	Geoscientists	20	20	0.0%	0	0	0
19-2043	Hydrologists	10	20	100.0%	0	0	0
19-3000	Social Scientists & Related Workers	100	110	10.0%	1	3	4
19-3031	Clinical, Counseling & School Psychologists	30	30	0.0%	0	1	1
19-3051	Urban & Regional Planners	50	50	0.0%	0	2	2
19-4000	Life, Physical & Social Science Technicians	100	100	0.0%	0	3	3
19-4021	Biological Technicians	30	30	0.0%	0	1	1
21-0000	Community & Social Services Occupations	1,160	1,230	6.0%	8	27	35
21-1000	Counselors, Social Workers & Other Community & Social Service Specialists	900	980	8.9%	8	20	28
21-1011	Substance Abuse & Behavioral Disorder Counselors	100	100	0.0%	0	2	2
21-1012	Educational, Guidance, School & Vocational Counselors	180	190	5.6%	1	4	5
21-1014	Mental Health Counselors	80	90	12.5%	1	2	3
21-1015	Rehabilitation Counselors	80	80	0.0%	0	2	2
21-1022	Healthcare Social Workers	40	50	25.0%	0	1	1
21-1023	Mental Health & Substance Abuse Social Workers	10	10	0.0%	0	0	0

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21-1091	Health Educators	30	40	33.3%	1	1	2
21-2000	Religious Workers	260	250	-3.8%	0	6	6
23-0000	Legal Occupations	270	310	14.8%	4	4	8
23-1000	Lawyers, Judges & Related Workers	200	230	15.0%	3	3	6
23-1011	Lawyers	180	210	16.7%	3	3	6
23-2000	Legal Support Workers	70	80	14.3%	1	1	2
23-2011	Paralegals & Legal Assistants	40	40	0.0%	1	1	2
23-2091	Court Reporters	10	10	0.0%	0	0	0
25-0000	Education, Training & Library Occupations	7,940	8,580	8.1%	67	141	208
25-2000	Primary, Secondary & Special Education School Teachers	1,600	1,610	0.6%	4	39	43
25-2011	Preschool Teachers	230	260	13.0%	3	6	9
25-2012	Kindergarten Teachers	110	120	9.1%	0	3	3
25-2021	Elementary School Teachers	480	490	2.1%	1	11	12
25-2022	Middle School Teachers	190	190	0.0%	0	4	4
25-2031	Secondary School Teachers	300	290	-3.3%	0	8	8
25-2052	Special Education Teachers, Kindergarten & Elementary School	50	50	0.0%	0	1	1
25-2053	Special Education Teachers, Middle School	30	20	-33.3%	0	0	0
25-2054	Special Education Teachers, Secondary School	60	60	0.0%	0	1	1
25-3000	Other Teachers & Instructors	570	600	5.3%	3	10	13
25-3021	Self-Enrichment Education Teachers	280	300	7.1%	2	5	7
25-3099	Teachers & Instructors, Other	170	180	5.9%	1	3	4
25-4021	Librarians	110	120	9.1%	1	2	3
25-9000	Other Education, Training & Library Occupations	2,060	2,200	6.8%	14	33	47
25-9031	Instructional Coordinators	190	210	10.5%	3	2	5
25-9041	Teacher Assistants	1,080	1,140	5.6%	6	25	31
27-0000	Arts, Design, Entertainment, Sports & Media Occupations	1,410	1,510	7.1%	11	31	42
27-1024	Graphic Designers	80	80	0.0%	0	2	2
27-2000	Entertainers & Performers, Sports & Related Workers	500	530	6.0%	3	13	16
27-2012	Producers & Directors	60	60	0.0%	0	2	2
27-2041	Music Directors & Composers	60	60	0.0%	0	2	2
27-3000	Media & Communication Workers	490	520	6.1%	4	9	13
27-3011	Radio & Television Announcers	80	70	-12.5%	0	2	2
27-3031	Public Relations Specialists	120	140	16.7%	2	2	4
27-3041	Editors	70	70	0.0%	0	2	2
27-3042	Technical Writers	30	40	33.3%	0	1	1

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27-4021	Photographers	60	60	0.0%	0	1	1
29-0000	Healthcare Practitioners & Technical Occupations	3,250	3,620	11.4%	38	68	106
29-1000	Health Diagnosing & Treating Practitioners	1,740	1,940	11.5%	20	36	56
29-1021	Dentists, General	70	70	0.0%	0	2	2
29-1041	Optometrists	20	20	0.0%	0	0	0
29-1051	Pharmacists	100	100	0.0%	0	2	2
29-1062	Family & General Practitioners	30	30	0.0%	0	1	1
29-1069	Physicians & Surgeons, Other	130	140	7.7%	0	3	3
29-1071	Physician Assistants	40	40	0.0%	0	1	1
29-1122	Occupational Therapists	20	20	0.0%	0	0	0
29-1123	Physical Therapists	50	60	20.0%	1	1	2
29-1125	Recreational Therapists	20	20	0.0%	0	0	0
29-1127	Speech-Language Pathologists	30	30	0.0%	0	0	0
29-1131	Veterinarians	50	60	20.0%	1	2	3
29-1141	Registered Nurses	990	1,130	14.1%	15	19	34
29-1171	Nurse Practitioners	20	20	0.0%	0	0	0
29-2012	Medical & Clinical Laboratory Technicians	60	60	0.0%	0	2	2
29-2021	Dental Hygienists	140	160	14.3%	2	4	6
29-2031	Cardiovascular Technologists & Technicians	20	20	0.0%	0	0	0
29-2034	Radiologic Technologists	80	90	12.5%	1	1	2
29-2052	Pharmacy Technicians	90	100	11.1%	0	1	1
29-2056	Veterinary Technologists & Technicians	50	60	20.0%	1	0	1
29-2061	Licensed Practical & Licensed Vocational Nurses	390	440	12.8%	5	10	15
29-2071	Medical Records & Health Information Technicians	70	80	14.3%	1	2	3
29-2081	Opticians, Dispensing	20	30	50.0%	0	1	1
29-9011	Occupational Health & Safety Specialists	10	10	0.0%	0	0	0
31-0000	Healthcare Support Occupations	1,670	1,860	11.4%	20	32	52
31-1000	Nursing, Psychiatric & Home Health Aides	1,060	1,190	12.3%	14	20	34
31-1011	Home Health Aides	400	480	20.0%	8	8	16
31-1014	Nursing Assistants	580	640	10.3%	6	11	17
31-2021	Physical Therapist Assistants	20	30	50.0%	0	0	0
31-9091	Dental Assistants	140	160	14.3%	1	3	4
31-9092	Medical Assistants	180	210	16.7%	3	4	7
31-9095	Pharmacy Aides	40	40	0.0%	0	1	1
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	50	60	20.0%	0	1	1

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33-0000	Protective Service Occupations	1,240	1,290	4.0%	5	38	43
33-1000	Supervisors - Protective Service Workers	50	50	0.0%	0	1	1
33-1099	Supervisors - Protective Service Workers, Other	10	10	0.0%	0	0	0
33-3021	Detectives & Criminal Investigators	40	40	0.0%	0	1	1
33-9000	Other Protective Service Workers	410	430	4.9%	2	14	16
33-9032	Security Guards	220	220	0.0%	0	3	3
33-9091	Crossing Guards	30	30	0.0%	0	0	0
33-9093	Transportation Security Screeners	10	10	0.0%	0	0	0
35-0000	Food Preparation & Serving Related Occupations	6,710	7,460	11.2%	75	252	327
35-1000	Supervisors, Food Preparation & Serving Workers	630	710	12.7%	8	17	25
35-1011	Chefs & Head Cooks	110	110	0.0%	1	2	3
35-1012	Supervisors - Food Preparation & Serving Workers	530	600	13.2%	7	15	22
35-2000	Cooks & Food Preparation Workers	1,690	1,870	10.7%	18	40	58
35-2012	Cooks, Institution & Cafeteria	200	220	10.0%	2	4	6
35-2014	Cooks, Restaurant	520	610	17.3%	10	10	20
35-2015	Cooks, Short Order	80	90	12.5%	1	2	3
35-2021	Food Preparation Workers	780	830	6.4%	5	22	27
35-3000	Food & Beverage Serving Workers	3,540	3,960	11.9%	42	149	191
35-3011	Bartenders	520	570	9.6%	6	19	25
35-3021	Combined Food Preparation & Serving Workers	1,540	1,780	15.6%	24	59	83
35-3031	Waiters & Waitresses	1,190	1,280	7.6%	9	57	66
35-9000	Other Food Preparation & Serving Related Workers	850	920	8.2%	8	46	54
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	190	200	5.3%	1	8	9
35-9021	Dishwashers	350	380	8.6%	3	16	19
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	290	320	10.3%	3	21	24
35-9099	Food Preparation & Serving Related Workers, Other	20	20	0.0%	0	1	1
37-0000	Building & Grounds Cleaning & Maintenance Occupations	3,020	3,220	6.6%	20	62	82
37-1000	Supervisors of Building & Grounds Cleaning & Maintenance Workers	190	200	5.3%	1	4	5
37-1011	Supervisors - Housekeeping & Janitorial Workers	150	160	6.7%	1	4	5
37-1012	Supervisors - Landscaping & Groundskeeping Workers	50	50	0.0%	0	0	0
37-2000	Building Cleaning & Pest Control Workers	2,240	2,370	5.8%	13	43	56
37-2011	Janitors & Cleaners	1,410	1,530	8.5%	11	27	38
37-3000	Grounds Maintenance Workers	590	640	8.5%	6	15	21
39-0000	Personal Care & Service Occupations	3,220	3,760	16.8%	54	87	141
39-1000	Supervisors, Personal Care & Service Workers	50	50	0.0%	0	1	1

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39-1021	Supervisors - Personal Service Workers	50	50	0.0%	0	1	1
39-2000	Animal Care & Service Workers	60	70	16.7%	1	1	2
39-2011	Animal Trainers	10	10	0.0%	0	0	0
39-2021	Nonfarm Animal Caretakers	50	70	40.0%	1	1	2
39-3091	Amusement & Recreation Attendants	60	70	16.7%	0	3	3
39-4021	Funeral Attendants	20	20	0.0%	0	0	0
39-5000	Personal Appearance Workers	480	560	16.7%	8	10	18
39-5012	Hairdressers, Hairstylists & Cosmetologists	380	440	15.8%	6	9	15
39-7000	Tour & Travel Guides	10	10	0.0%	0	1	1
39-7011	Tour Guides & Escorts	10	10	0.0%	0	1	1
39-9000	Other Personal Care & Service Workers	1,760	2,110	19.9%	35	34	69
39-9011	Childcare Workers	480	530	10.4%	4	14	18
39-9021	Personal Care Aides	530	730	37.7%	20	4	24
39-9031	Fitness Trainers & Aerobics Instructors	250	280	12.0%	3	3	6
39-9032	Recreation Workers	90	100	11.1%	1	1	2
41-0000	Sales & Related Occupations	6,520	6,710	2.9%	30	211	241
41-1000	Supervisors - Sales Workers	700	700	0.0%	0	15	15
41-1011	Supervisors - Retail Sales Workers	640	640	0.0%	0	14	14
41-1012	Supervisors - Non-Retail Sales Workers	60	70	16.7%	0	1	1
41-2000	Retail Sales Workers	4,580	4,650	1.5%	18	171	189
41-2011	Cashiers	1,870	1,770	-5.3%	0	81	81
41-2021	Counter & Rental Clerks	250	280	12.0%	3	6	9
41-2031	Retail Salespersons	2,380	2,520	5.9%	14	81	95
41-3000	Sales Representatives, Services	530	560	5.7%	4	13	17
41-3021	Insurance Sales Agents	150	150	0.0%	0	4	4
41-3031	Securities, Commodities & Financial Services Sales Agents	140	130	-7.1%	0	3	3
41-3099	Sales Representatives, Other Services	180	210	16.7%	3	5	8
41-4000	Sales Representatives, Wholesale & Manufacturing	460	530	15.2%	7	9	16
41-4011	Sales Representatives, Technical & Scientific Products	60	70	16.7%	1	1	2
41-4012	Sales Representatives	400	460	15.0%	6	8	14
41-9000	Other Sales & Related Workers	250	270	8.0%	2	3	5
41-9021	Real Estate Brokers	20	30	50.0%	0	0	0
41-9022	Real Estate Sales Agents	160	170	6.2%	1	2	3
41-9099	Sales & Related Workers, Other	30	30	0.0%	0	1	1
43-0000	Office & Administrative Support Occupations	12,220	12,660	3.6%	68	257	325

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43-1000	Supervisors - Office & Administrative Support Workers	560	610	8.9%	5	13	18
43-1011	Supervisors - Office & Administrative Support Workers	560	610	8.9%	5	13	18
43-2000	Communications Equipment Operators	20	10	-50.0%	0	0	0
43-2011	Switchboard Operators	20	10	-50.0%	0	0	0
43-3000	Financial Clerks	1,470	1,580	7.5%	14	29	43
43-3021	Billing & Posting Clerks	280	310	10.7%	3	5	8
43-3031	Bookkeeping, Accounting & Auditing Clerks	770	870	13.0%	10	7	17
43-3051	Payroll & Timekeeping Clerks	60	60	0.0%	0	1	1
43-3061	Procurement Clerks	20	20	0.0%	0	1	1
43-3071	Tellers	260	240	-7.7%	0	12	12
43-4000	Information & Record Clerks	1,950	2,050	5.1%	13	56	69
43-4031	Court, Municipal & License Clerks	10	20	100.0%	0	0	0
43-4051	Customer Service Representatives	830	900	8.4%	7	23	30
43-4071	File Clerks	30	30	0.0%	0	1	1
43-4081	Hotel, Motel & Resort Desk Clerks	160	150	-6.2%	0	8	8
43-4111	Interviewers	50	60	20.0%	0	1	1
43-4121	Library Assistants, Clerical	160	170	6.2%	1	7	8
43-4131	Loan Interviewers & Clerks	20	20	0.0%	0	0	0
43-4151	Order Clerks	90	100	11.1%	1	2	3
43-4161	Human Resources Assistants	50	50	0.0%	0	1	1
43-4171	Receptionists & Information Clerks	380	410	7.9%	4	10	14
43-4199	Information & Record Clerks, Other	20	20	0.0%	0	0	0
43-5000	Material Recording, Scheduling, Dispatching & Distributing Workers	1,410	1,310	-7.1%	2	40	42
43-5011	Cargo & Freight Agents	10	10	0.0%	0	0	0
43-5032	Dispatchers	70	70	0.0%	1	2	3
43-5041	Meter Readers, Utilities	30	20	-33.3%	0	1	1
43-5051	Postal Service Clerks	30	20	-33.3%	0	0	0
43-5052	Postal Service Mail Carriers	120	100	-16.7%	0	4	4
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	20	10	-50.0%	0	0	0
43-5061	Production, Planning & Expediting Clerks	90	90	0.0%	0	2	2
43-5071	Shipping, Receiving & Traffic Clerks	160	160	0.0%	0	4	4
43-5081	Stock Clerks & Order Fillers	840	770	-8.3%	0	25	25
43-6000	Secretaries & Administrative Assistants	2,700	2,870	6.3%	17	32	49
43-6011	Executive Secretaries & Executive Administrative Assistants	670	660	-1.5%	0	8	8
43-6012	Legal Secretaries	80	90	12.5%	0	1	1

**State College MSA
Occupational Employment
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SOC Code	Occupational Title	Estimated 2012	Projected 2022	Percent Change	Average Annual Openings		
					Due to Growth ^{1/}	Due to Replace. ^{2/}	Total ^{3/}
43-6013	Medical Secretaries	270	310	14.8%	5	3	8
43-6014	Secretaries	1,690	1,810	7.1%	12	20	32
43-9000	Other Office & Administrative Support Workers	4,110	4,230	2.9%	17	85	102
43-9021	Data Entry Keyers	40	30	-25.0%	0	0	0
43-9061	Office Clerks, General	3,810	3,970	4.2%	16	80	96
43-9071	Office Machine Operators	60	60	0.0%	0	1	1
45-0000	Farming, Fishing & Forestry Occupations	920	910	-1.1%	1	27	28
45-2000	Agricultural Workers	840	830	-1.2%	1	25	26
45-2041	Graders & Sorters, Agricultural Products	20	20	0.0%	0	0	0
47-0000	Construction & Extraction Occupations	3,410	3,950	15.8%	56	61	117
47-1000	Supervisors - Construction & Extraction Workers	210	240	14.3%	3	2	5
47-1011	Supervisors - Construction Trades & Extraction Workers	210	240	14.3%	3	2	5
47-2000	Construction Trades Workers	2,620	3,090	17.9%	47	47	94
47-2021	Brickmasons & Blockmasons	20	30	50.0%	0	0	0
47-2031	Carpenters	680	800	17.6%	12	8	20
47-2051	Cement Masons & Concrete Finishers	50	70	40.0%	1	1	2
47-2061	Construction Laborers	720	880	22.2%	17	15	32
47-2073	Operating Engineers & Other Construction Equipment Operators	390	450	15.4%	6	9	15
47-2111	Electricians	190	210	10.5%	3	4	7
47-2141	Painters, Construction & Maintenance	90	110	22.2%	1	1	2
47-2151	Pipelayers	20	20	0.0%	0	0	0
47-2152	Plumbers, Pipefitters & Steamfitters	160	180	12.5%	2	2	4
47-2221	Structural Iron & Steel Workers	60	60	0.0%	0	2	2
47-3000	Helpers, Construction Trades	60	80	33.3%	2	1	3
47-3012	Helpers--Carpenters	10	10	0.0%	0	0	0
47-3013	Helpers--Electricians	20	30	50.0%	1	0	1
47-4000	Other Construction & Related Workers	320	360	12.5%	4	6	10
47-4011	Construction & Building Inspectors	100	120	20.0%	2	2	4
47-4051	Highway Maintenance Workers	180	200	11.1%	1	3	4
47-5000	Extraction Workers	190	180	-5.3%	1	5	6
47-5011	Derrick Operators, Oil & Gas	10	10	0.0%	0	1	1
47-5013	Service Unit Operators, Oil, Gas & Mining	20	20	0.0%	0	1	1
49-0000	Installation, Maintenance & Repair Occupations	2,800	3,090	10.4%	30	62	92
49-1000	Supervisors - Installation, Maintenance & Repair Workers	150	170	13.3%	1	4	5
49-1011	Supervisors - Mechanics, Installers & Repairers	150	170	13.3%	1	4	5

**State College MSA
Occupational Employment
2012-2022 Long-Term Projections**

SOC Code	Occupational Title	Estimated 2012	Projected 2022	Percent Change	Average Annual Openings		
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49-2000	Electrical & Electronic Equipment Mechanics, Installers & Repairers	170	170	0.0%	1	3	4
49-2022	Telecommunications Equipment Installers & Repairers	20	20	0.0%	0	0	0
49-3000	Vehicle & Mobile Equipment Mechanics, Installers	790	860	8.9%	7	20	27
49-3021	Automotive Body & Related Repairers	60	60	0.0%	1	1	2
49-3023	Automotive Service Technicians & Mechanics	480	520	8.3%	4	12	16
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	110	110	0.0%	0	2	2
49-3041	Farm Equipment Mechanics & Service Technicians	70	70	0.0%	1	2	3
49-3042	Mobile Heavy Equipment Mechanics	60	60	0.0%	0	2	2
49-9000	Other Installation, Maintenance & Repair Occupations	1,680	1,890	12.5%	21	35	56
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	210	250	19.0%	4	5	9
49-9041	Industrial Machinery Mechanics	80	100	25.0%	2	2	4
49-9052	Telecommunications Line Installers & Repairers	40	50	25.0%	1	1	2
49-9071	Maintenance & Repair Workers, General	1,020	1,120	9.8%	10	20	30
49-9098	Helpers--Installation, Maintenance & Repair Workers	20	20	0.0%	0	0	0
49-9099	Installation, Maintenance & Repair Workers, Other	40	40	0.0%	0	1	1
51-0000	Production Occupations	3,020	3,110	3.0%	21	63	84
51-1000	Supervisors - Production Workers	240	240	0.0%	0	3	3
51-1011	Supervisors - Production & Operating Workers	240	240	0.0%	0	3	3
51-2000	Assemblers & Fabricators	550	560	1.8%	7	8	15
51-2022	Electrical & Electronic Equipment Assemblers	160	140	-12.5%	0	2	2
51-2023	Electromechanical Equipment Assemblers	100	60	-40.0%	0	1	1
51-2092	Team Assemblers	170	180	5.9%	2	3	5
51-3000	Food Processing Workers	300	300	0.0%	1	8	9
51-3011	Bakers	90	90	0.0%	0	2	2
51-3021	Butchers & Meat Cutters	70	70	0.0%	0	2	2
51-3022	Meat, Poultry & Fish Cutters & Trimmers	20	20	0.0%	0	1	1
51-4000	Metal Workers & Plastic Workers	750	800	6.7%	6	15	21
51-4041	Machinists	270	320	18.5%	5	6	11
51-4111	Tool & Die Makers	50	50	0.0%	0	0	0
51-4121	Welders, Cutters, Solderers & Brazers	200	200	0.0%	0	5	5
51-4193	Plating & Coating Machine Operators	10	10	0.0%	0	0	0
51-5100	Printing Workers	110	110	0.0%	0	2	2
51-5112	Printing Press Operators	70	70	0.0%	0	1	1
51-6000	Textile, Apparel & Furnishings Workers	130	130	0.0%	0	3	3
51-6011	Laundry & Dry-Cleaning Workers	90	90	0.0%	0	3	3

**State College MSA
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SOC Code	Occupational Title	Estimated 2012	Projected 2022	Percent Change	Average Annual Openings		
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51-7000	Woodworkers	100	110	10.0%	1	1	2
51-7041	Sawing Machine Operators, Wood	20	20	0.0%	0	0	0
51-8000	Plant & System Operators	180	190	5.6%	1	6	7
51-8031	Water & Wastewater Treatment Plant & System Operators	80	90	12.5%	1	3	4
51-9000	Other Production Occupations	660	680	3.0%	5	16	21
51-9011	Chemical Equipment Operators	10	10	0.0%	0	0	0
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators	20	20	0.0%	0	0	0
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	180	180	0.0%	0	4	4
51-9121	Coating, Painting & Spraying Machine Operators	10	10	0.0%	0	0	0
51-9151	Photographic Process Workers & Processing Machine Operators	20	20	0.0%	0	0	0
51-9198	Helpers--Production Workers	100	110	10.0%	1	2	3
51-9199	Production Workers, Other	60	80	33.3%	1	2	3
53-0000	Transportation & Material Moving Occupations	3,340	3,720	11.4%	38	73	111
53-1000	Supervisors - Transportation & Material Moving Workers	120	130	8.3%	1	3	4
53-1031	Supervisors - Transportation & Vehicle Operators	80	90	12.5%	0	2	2
53-2000	Air Transportation Workers	20	20	0.0%	0	0	0
53-2011	Airline Pilots, Copilots & Flight Engineers	10	10	0.0%	0	0	0
53-3000	Motor Vehicle Operators	1,910	2,070	8.4%	16	32	48
53-3022	Bus Drivers, School or Special Client	300	300	0.0%	0	5	5
53-3031	Driver/Sales Workers	250	260	4.0%	2	4	6
53-3032	Heavy & Tractor-Trailer Truck Drivers	550	650	18.2%	9	9	18
53-3033	Light Truck or Delivery Services Drivers	480	490	2.1%	1	8	9
53-3041	Taxi Drivers & Chauffeurs	100	120	20.0%	2	1	3
53-3099	Motor Vehicle Operators, Other	60	70	16.7%	1	2	3
53-4000	Rail Transportation Workers	20	20	0.0%	0	1	1
53-4011	Locomotive Engineers	10	10	0.0%	0	0	0
53-4021	Railroad Brake, Signal & Switch Operators	10	10	0.0%	0	0	0
53-4031	Railroad Conductors & Yardmasters	10	10	0.0%	0	0	0
53-6000	Other Transportation Workers	70	80	14.3%	1	2	3
53-7000	Material Moving Workers	1,200	1,400	16.7%	20	35	55
53-7032	Excavating & Loading Machine & Dragline Operators	20	20	0.0%	0	0	0
53-7051	Industrial Truck & Tractor Operators	90	90	0.0%	0	2	2
53-7061	Cleaners of Vehicles & Equipment	140	170	21.4%	2	4	6
53-7062	Laborers & Freight, Stock & Material Movers	720	870	20.8%	15	22	37

**State College MSA
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2012-2022 Long-Term Projections**

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53-7064	Packers & Packagers, Hand	110	110	0.0%	0	3	3
53-7072	Pump Operators	20	10	-50.0%	0	1	1
53-7081	Refuse & Recyclable Material Collectors	60	70	16.7%	0	1	1

FOOTNOTES:

Data may not add to totals due to rounding. Confidential data and occupations with employment less than 10 are not shown but are included in all sub-total and total employment values.

1/ Labor force growth openings, except for cases of negative growth where growth openings are expressed as zero.

2/ Labor force net replacements due to death, retirement, disability, or withdrawal for personal reasons.

3/ Total openings equal replacements plus annual growth.