

2018 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment			Annual Openings	Wages (2017)		
				Estimated 2014	Projected 2024	Percent Change		Entry Level	Annual Average	Exper. Level
Today	45-2091	Agricultural Equipment Operators	ST OJT	2,600	2,970	14.2%	106	\$26,790	\$39,120	\$45,290
Today	53-3011	Ambulance Drivers & Attendants	MT OJT	1,460	1,700	16.4%	49	\$20,660	\$23,920	\$25,550
Today	39-2011	Animal Trainers	MT OJT	1,140	1,250	9.6%	52	\$20,520	\$32,680	\$38,760
Today	43-3011	Bill & Account Collectors	MT OJT	12,350	11,970	-3.1%	302	\$26,200	\$37,250	\$42,770
Today	43-3021	Billing & Posting Clerks	MT OJT	27,130	29,460	8.6%	800	\$27,660	\$37,720	\$42,750
Today	53-3022	Bus Drivers, School or Special Client	ST OJT	28,160	30,120	7.0%	566	\$19,340	\$28,420	\$32,950
Today	51-7011	Cabinetmakers & Bench Carpenters	MT OJT	5,010	5,010	0.0%	41	\$27,610	\$39,210	\$45,010
Today	43-5011	Cargo & Freight Agents	ST OJT	3,200	3,520	10.0%	136	\$33,400	\$49,080	\$56,910
Today	41-2011	Cashiers	ST OJT	147,700	146,970	-0.5%	6,284	\$17,200	\$20,310	\$21,860
Today	47-2051	Cement Masons & Concrete Finishers	MT OJT	5,380	6,210	15.4%	148	\$31,580	\$45,280	\$52,120
Today	39-9011	Childcare Workers	ST OJT	48,120	50,370	4.7%	1,646	\$17,370	\$21,940	\$24,220
Today	35-3021	Combined Food Preparation & Serving Workers	ST OJT	134,410	150,800	12.2%	5,983	\$17,420	\$19,900	\$21,140
Today	51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	8,550	10,310	20.6%	435	\$27,100	\$38,480	\$44,180
Today	35-2012	Cooks, Institution & Cafeteria	ST OJT	18,870	20,100	6.5%	622	\$20,430	\$28,180	\$32,060
Today	33-3012	Correctional Officers & Jailers	MT OJT	16,630	16,760	0.8%	470	\$36,930	\$51,140	\$58,240
Today	41-2021	Counter & Rental Clerks	ST OJT	14,840	15,510	4.5%	434	\$18,040	\$27,040	\$31,540
Today	35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	11,780	12,390	5.2%	770	\$17,360	\$20,350	\$21,850
Today	43-4051	Customer Service Representatives	ST OJT	108,520	114,820	5.8%	3,302	\$24,160	\$36,180	\$42,190
Today	35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	15,230	16,440	7.9%	882	\$17,310	\$20,070	\$21,460
Today	35-9021	Dishwashers	ST OJT	21,910	21,630	-1.3%	947	\$17,420	\$20,280	\$21,700
Today	53-3031	Driver/Sales Workers	ST OJT	19,460	20,400	4.8%	425	\$17,380	\$27,270	\$32,220
Today	47-2081	Drywall & Ceiling Tile Installers	MT OJT	2,040	2,260	10.8%	34	\$34,460	\$48,720	\$55,850
Today	47-5021	Earth Drillers	MT OJT	1,180	1,320	11.9%	41	\$33,630	\$44,610	\$50,100
Today	45-2092	Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	30,140	29,770	-1.2%	802	\$17,760	\$27,080	\$31,730
Today	45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	5,320	5,260	-1.1%	142	\$18,010	\$27,000	\$31,500
Today	39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	12,650	13,850	9.5%	353	\$20,710	\$37,920	\$46,530
Today	35-2021	Food Preparation Workers	ST OJT	35,800	37,680	5.3%	1,185	\$17,560	\$22,690	\$25,250
Today	35-3041	Food Servers, Nonrestaurant	ST OJT	13,430	15,180	13.0%	504	\$17,520	\$22,950	\$25,670
Today	51-7021	Furniture Finishers	ST OJT	1,160	1,130	-2.6%	20	\$23,230	\$34,450	\$40,060
Today	47-3011	Helpers--Brick, Block & Stonemasons & Tile & Marble Setters	ST OJT	950	1,180	24.2%	36	\$25,460	\$36,310	\$41,740
Today	47-3012	Helpers--Carpenters	ST OJT	970	1,110	14.4%	26	\$23,190	\$34,050	\$39,470
Today	47-3013	Helpers--Electricians	ST OJT	1,490	1,750	17.4%	45	\$24,130	\$31,390	\$35,010
Today	47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	1,160	1,300	12.1%	28	\$22,940	\$32,560	\$37,380
Today	51-9198	Helpers--Production Workers	ST OJT	23,200	23,010	-0.8%	757	\$20,540	\$29,820	\$34,470
Today	47-4051	Highway Maintenance Workers	MT OJT	11,430	11,490	0.5%	311	\$28,310	\$41,830	\$48,600
Today	31-1011	Home Health Aides	ST OJT	57,620	72,840	26.4%	2,824	\$20,360	\$25,170	\$27,580
Today	35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	14,850	15,860	6.8%	1,155	\$17,400	\$20,970	\$22,760
Today	43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	8,260	9,320	12.8%	533	\$17,300	\$22,150	\$24,580
Today	53-7051	Industrial Truck & Tractor Operators	ST OJT	27,970	29,790	6.5%	878	\$27,830	\$37,780	\$42,760
Today	51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	20,130	20,650	2.6%	558	\$26,620	\$41,050	\$48,270

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Today	43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	12,370	12,580	1.7%	331	\$32,130	\$41,670	\$46,440
Today	41-3021	Insurance Sales Agents	MT OJT	20,020	21,300	6.4%	654	\$34,340	\$82,790	\$107,010
Today	37-3011	Landscaping & Groundskeeping Workers	ST OJT	44,700	47,440	6.1%	1,080	\$20,840	\$29,400	\$33,680
Today	53-3033	Light Truck or Delivery Services Drivers	ST OJT	38,350	39,580	3.2%	775	\$18,670	\$33,430	\$40,820
Today	49-9043	Maintenance Workers, Machinery	MT OJT	4,680	5,210	11.3%	128	\$35,210	\$47,760	\$54,040
Today	31-9093	Medical Equipment Preparers	MT OJT	1,920	2,150	12.0%	63	\$27,470	\$35,740	\$39,870
Today	43-6013	Medical Secretaries	MT OJT	21,950	24,810	13.0%	517	\$26,460	\$34,920	\$39,150
Today	43-9061	Office Clerks, General	ST OJT	131,500	133,850	1.8%	3,071	\$22,020	\$33,880	\$39,810
Today	47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	20,910	23,070	10.3%	565	\$34,270	\$50,340	\$58,370
Today	43-4151	Order Clerks	ST OJT	10,000	9,610	-3.9%	271	\$22,390	\$32,750	\$37,930
Today	51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	16,110	16,590	3.0%	622	\$23,160	\$33,800	\$39,120
Today	47-2141	Painters, Construction & Maintenance	MT OJT	8,980	9,900	10.2%	235	\$27,740	\$42,230	\$49,470
Today	41-2022	Parts Salespersons	MT OJT	9,800	10,400	6.1%	277	\$21,520	\$32,870	\$38,540
Today	47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	2,380	2,700	13.4%	89	\$32,250	\$44,070	\$49,970
Today	39-9021	Personal Care Aides	ST OJT	62,170	75,310	21.1%	1,818	\$20,240	\$23,940	\$25,790
Today	31-2022	Physical Therapist Aides	ST OJT	2,250	2,880	28.0%	127	\$20,800	\$26,860	\$29,890
Today	47-2151	Pipelayers	ST OJT	1,800	2,020	12.2%	46	\$39,400	\$55,370	\$63,360
Today	43-5052	Postal Service Mail Carriers	ST OJT	13,260	9,800	-26.1%	256	\$35,660	\$49,930	\$57,070
Today	43-5061	Production, Planning & Expediting Clerks	MT OJT	13,860	14,510	4.7%	441	\$32,150	\$47,180	\$54,690
Today	43-4171	Receptionists & Information Clerks	ST OJT	42,860	45,010	5.0%	1,370	\$20,250	\$28,110	\$32,040
Today	41-2031	Retail Salespersons	ST OJT	195,950	202,340	3.3%	7,431	\$17,400	\$27,010	\$31,820
Today	47-2181	Roofers	MT OJT	4,750	5,320	12.0%	129	\$30,310	\$42,320	\$48,330
Today	41-4012	Sales Representatives	MT OJT	70,970	73,680	3.8%	1,731	\$36,250	\$71,890	\$89,710
Today	51-7041	Sawing Machine Setters, Operators & Tenders, Wood	ST OJT	1,830	1,870	2.2%	56	\$24,530	\$32,110	\$35,900
Today	43-6014	Secretaries	ST OJT	113,770	115,080	1.2%	1,330	\$24,130	\$35,290	\$40,870
Today	49-2098	Security & Fire Alarm Systems Installers	MT OJT	3,090	3,570	15.5%	124	\$33,280	\$49,630	\$57,800
Today	33-9032	Security Guards	ST OJT	43,860	47,260	7.8%	957	\$19,890	\$27,150	\$30,770
Today	47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	1,230	1,410	14.6%	48	\$32,180	\$43,330	\$48,900
Today	39-5093	Shampooers	ST OJT	900	1,000	11.1%	17	\$17,370	\$19,450	\$20,480
Today	43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	26,230	25,770	-1.8%	570	\$24,400	\$35,060	\$40,390
Today	21-1093	Social & Human Service Assistants	ST OJT	23,790	27,030	13.6%	790	\$25,240	\$34,420	\$39,010
Today	43-5081	Stock Clerks & Order Fillers	ST OJT	79,260	81,320	2.6%	2,722	\$18,150	\$25,290	\$28,860
Today	53-3041	Taxi Drivers & Chauffeurs	ST OJT	9,980	11,220	12.4%	313	\$18,730	\$25,530	\$28,940
Today	51-2092	Team Assemblers	MT OJT	36,670	37,900	3.4%	911	N/A	N/A	N/A
Today	43-3071	Tellers	ST OJT	24,930	21,590	-13.4%	975	\$22,250	\$28,050	\$30,960
Today	31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	2,540	2,770	9.1%	76	\$20,760	\$26,910	\$29,990
Today	35-3031	Waiters & Waitresses	ST OJT	98,340	103,090	4.8%	5,208	\$17,420	\$23,080	\$25,910
Today	51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	18,820	19,930	5.9%	652	\$31,870	\$42,910	\$48,440
Today	51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	3,500	3,550	1.4%	65	\$23,090	\$31,590	\$35,850

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Tomorrow	27-4011	Audio & Video Equipment Technicians	PS	2,290	2,570	12.2%	72	\$27,610	\$43,260	\$51,090
Tomorrow	49-3023	Automotive Service Technicians & Mechanics	PS	38,370	39,650	3.3%	1,156	\$24,650	\$39,510	\$46,930
Tomorrow	43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	71,160	66,880	-6.0%	698	\$27,290	\$39,470	\$45,560
Tomorrow	47-2021	Brickmasons & Blockmasons	LT OJT	3,680	4,350	18.2%	99	\$35,290	\$53,850	\$63,120
Tomorrow	49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	12,910	14,630	13.3%	395	\$31,870	\$44,680	\$51,080
Tomorrow	29-2031	Cardiovascular Technologists & Technicians	AD	2,950	3,540	20.0%	116	\$33,900	\$56,970	\$68,510
Tomorrow	47-2031	Carpenters	LT OJT	48,880	53,760	10.0%	1,051	\$31,110	\$50,770	\$60,600
Tomorrow	35-1011	Chefs & Head Cooks	WK EXP	5,060	5,590	10.5%	129	\$36,110	\$54,110	\$63,110
Tomorrow	13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	14,130	14,480	2.5%	384	\$42,610	\$65,090	\$76,330
Tomorrow	51-4012	CNC Machine Tool Programmers, Metal & Plastic	LT OJT	930	1,120	20.4%	47	\$40,080	\$53,470	\$60,160
Tomorrow	15-1151	Computer User Support Specialists	PS	25,460	28,460	11.8%	629	\$33,460	\$50,990	\$59,750
Tomorrow	35-2014	Cooks, Restaurant	WK EXP	35,460	41,170	16.1%	1,509	\$18,390	\$25,540	\$29,120
Tomorrow	53-7021	Crane & Tower Operators	WK EXP	2,000	2,180	9.0%	87	\$32,710	\$54,670	\$65,640
Tomorrow	31-9091	Dental Assistants	PS	12,590	13,560	7.7%	408	\$27,590	\$37,870	\$43,010
Tomorrow	29-2051	Dietetic Technicians	AD	1,170	1,330	13.7%	27	\$21,270	\$31,280	\$36,280
Tomorrow	49-9051	Electrical Power-Line Installers & Repairers	LT OJT	3,880	4,680	20.6%	234	\$57,510	\$77,350	\$87,280
Tomorrow	47-2111	Electricians	LT OJT	23,370	26,610	13.9%	681	\$38,680	\$62,070	\$73,770
Tomorrow	29-2041	Emergency Medical Technicians & Paramedics	PS	13,260	15,260	15.1%	418	\$22,920	\$33,200	\$38,330
Tomorrow	19-4091	Environmental Science & Protection Technicians	AD	1,810	2,020	11.6%	97	\$30,670	\$45,430	\$52,810
Tomorrow	43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	24,490	22,930	-6.4%	258	\$39,670	\$58,560	\$68,000
Tomorrow	11-9013	Farmers, Ranchers & Other Agricultural Managers	WK EXP	32,110	31,040	-3.3%	547	\$64,390	\$89,780	\$102,470
Tomorrow	39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	41,390	45,540	10.0%	1,480	\$17,360	\$26,570	\$31,180
Tomorrow	49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	13,340	14,860	11.4%	356	\$33,890	\$51,360	\$60,090
Tomorrow	53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	79,390	89,240	12.4%	2,335	\$32,560	\$46,150	\$52,950
Tomorrow	49-9041	Industrial Machinery Mechanics	LT OJT	15,790	19,230	21.8%	754	\$36,530	\$50,600	\$57,630
Tomorrow	29-2061	Licensed Practical & Licensed Vocational Nurses	PS	38,150	41,680	9.3%	1,440	\$36,900	\$47,070	\$52,150
Tomorrow	51-4041	Machinists	LT OJT	19,830	22,230	12.1%	813	\$30,700	\$43,380	\$49,720
Tomorrow	49-9071	Maintenance & Repair Workers, General	LT OJT	64,440	68,190	5.8%	2,064	\$25,250	\$39,350	\$46,390
Tomorrow	29-2012	Medical & Clinical Laboratory Technicians	AD	9,680	10,850	12.1%	348	N/A	N/A	N/A
Tomorrow	29-2071	Medical Records & Health Information Technicians	PS	8,060	9,050	12.3%	280	\$28,140	\$39,700	\$45,480
Tomorrow	49-9044	Millwrights	LT OJT	1,320	1,590	20.5%	54	\$38,160	\$54,430	\$62,570
Tomorrow	49-3052	Motorcycle Mechanics	PS	970	1,060	9.3%	29	\$23,590	\$35,930	\$42,100
Tomorrow	31-1014	Nursing Assistants	PS	79,130	88,350	11.7%	2,708	\$24,310	\$30,010	\$32,860
Tomorrow	31-2011	Occupational Therapy Assistants	AD	2,520	3,360	33.3%	157	\$37,700	\$50,780	\$57,320
Tomorrow	29-2057	Ophthalmic Medical Technicians	PS	1,130	1,260	11.5%	25	\$28,870	\$37,350	\$41,590
Tomorrow	29-2081	Opticians, Dispensing	LT OJT	3,190	3,640	14.1%	131	\$26,050	\$37,660	\$43,460
Tomorrow	23-2011	Paralegals & Legal Assistants	AD	9,880	10,770	9.0%	306	\$34,280	\$54,080	\$63,970
Tomorrow	31-2021	Physical Therapist Assistants	AD	4,720	6,100	29.2%	275	\$38,520	\$52,100	\$58,900
Tomorrow	47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	16,950	18,670	10.1%	396	\$35,940	\$56,980	\$67,490
Tomorrow	25-2011	Preschool Teachers	AD	15,990	17,130	7.1%	581	\$20,660	\$28,650	\$32,650

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Tomorrow	29-1126	Respiratory Therapists	AD	5,270	5,900	12.0%	187	\$45,430	\$59,200	\$66,080
Tomorrow	25-3021	Self-Enrichment Education Teachers	WK EXP	13,490	15,240	13.0%	429	\$20,490	\$38,240	\$47,110
Tomorrow	47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	21,180	23,410	10.5%	391	\$48,350	\$72,170	\$84,080
Tomorrow	45-1011	Supervisors - Farm & Forestry Workers	WK EXP	2,380	2,220	-6.7%	58	\$38,940	\$55,110	\$63,190
Tomorrow	35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	30,420	33,760	11.0%	1,239	\$22,660	\$37,380	\$44,740
Tomorrow	53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	6,950	7,270	4.6%	255	N/A	N/A	N/A
Tomorrow	37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	4,960	5,160	4.0%	103	\$32,980	\$48,410	\$56,120
Tomorrow	49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	16,540	17,570	6.2%	433	\$47,220	\$68,940	\$79,800
Tomorrow	43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	55,550	58,460	5.2%	1,130	\$39,160	\$60,410	\$71,030
Tomorrow	39-1021	Supervisors - Personal Service Workers	WK EXP	11,350	12,520	10.3%	332	\$24,790	\$38,110	\$44,780
Tomorrow	51-1011	Supervisors - Production & Operating Workers	WK EXP	28,010	28,140	0.5%	456	\$41,040	\$61,390	\$71,570
Tomorrow	41-1011	Supervisors - Retail Sales Workers	WK EXP	53,210	53,730	1.0%	1,242	\$28,270	\$44,960	\$53,300
Tomorrow	53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	7,790	8,240	5.8%	295	N/A	N/A	N/A
Tomorrow	25-9041	Teacher Assistants	PS	45,050	46,560	3.4%	1,230	\$18,980	\$26,270	\$29,920
Tomorrow	47-2044	Tile & Marble Setters	LT OJT	1,040	1,140	9.6%	25	\$31,470	\$51,850	\$62,040
Tomorrow	29-2056	Veterinary Technologists & Technicians	AD	4,260	5,040	18.3%	119	\$25,780	\$35,880	\$40,930
Tomorrow	15-1134	Web Developers	AD	4,610	5,700	23.6%	168	\$43,630	\$69,600	\$82,590
Future	13-2011	Accountants & Auditors	BD	59,330	65,170	9.8%	2,168	\$48,100	\$74,730	\$88,040
Future	29-1061	Anesthesiologists	PROF	1,680	1,860	10.7%	63	N/A	\$267,960	N/A
Future	25-1121	Art, Drama & Music Teachers, Postsecondary	MD	5,250	5,720	9.0%	140	\$40,630	\$76,720	\$94,760
Future	25-1042	Biological Science Teachers, Postsecondary	PhD	3,930	4,440	13.0%	121	\$47,560	\$91,030	\$112,760
Future	17-2031	Biomedical Engineers	BD	1,040	1,290	24.0%	52	\$50,320	\$81,640	\$97,300
Future	25-1052	Chemistry Teachers, Postsecondary	PhD	1,620	1,830	13.0%	50	\$48,610	\$86,810	\$105,910
Future	21-1021	Child, Family & School Social Workers	BD	16,870	18,420	9.2%	561	\$29,490	\$42,860	\$49,540
Future	17-2051	Civil Engineers	BD	13,520	14,640	8.3%	511	\$56,490	\$87,890	\$103,590
Future	21-2011	Clergy	BD	15,530	15,640	0.7%	345	\$24,870	\$47,060	\$58,160
Future	27-2022	Coaches & Scouts	BD	8,200	8,430	2.8%	300	\$18,050	\$38,220	\$48,310
Future	17-2061	Computer Hardware Engineers	BD	2,450	2,800	14.3%	85	\$57,120	\$96,200	\$115,740
Future	15-1131	Computer Programmers	BD	15,110	15,000	-0.7%	372	\$53,590	\$80,830	\$94,450
Future	15-1121	Computer Systems Analysts	BD	24,030	29,030	20.8%	809	\$60,460	\$93,520	\$110,040
Future	13-1051	Cost Estimators	BD	9,960	11,000	10.4%	387	\$44,840	\$66,480	\$77,300
Future	15-1141	Database Administrators	BD+	5,540	6,110	10.3%	176	\$53,300	\$83,690	\$98,880
Future	25-2021	Elementary School Teachers	BD+	52,680	53,310	1.2%	1,227	\$43,700	\$65,370	\$76,210
Future	25-1032	Engineering Teachers, Postsecondary	PhD	2,220	2,480	11.7%	65	\$52,660	\$109,070	\$137,280
Future	17-2081	Environmental Engineers	BD	3,280	3,660	11.6%	131	\$57,280	\$87,400	\$102,450
Future	11-3031	Financial Managers	BD+	15,760	16,570	5.1%	454	\$87,490	\$153,180	\$186,020
Future	13-1131	Fundraisers	BD	2,380	2,620	10.1%	56	\$37,400	\$59,770	\$70,950
Future	11-1021	General & Operations Managers	BD+	63,410	67,290	6.1%	1,993	\$61,660	\$130,930	\$165,570
Future	17-2111	Health & Safety Engineers	BD	1,250	1,360	8.8%	47	\$65,380	\$100,610	\$118,220
Future	25-1071	Health Specialties Teachers, Postsecondary	PhD	7,210	8,480	17.6%	255	\$40,500	\$92,280	\$118,170

2018 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment			Annual Openings	Wages (2017)		
				Estimated 2014	Projected 2024	Percent Change		Entry Level	Annual Average	Exper. Level
Future	21-1022	Healthcare Social Workers	MD	8,290	9,730	17.4%	344	\$36,820	\$51,530	\$58,880
Future	11-3121	Human Resources Managers	BD+	3,510	3,870	10.3%	138	\$81,190	\$130,190	\$154,680
Future	13-1071	Human Resources Specialists	BD	20,300	21,300	4.9%	594	\$42,040	\$66,980	\$79,440
Future	17-2112	Industrial Engineers	BD	9,620	9,860	2.5%	307	\$63,720	\$87,660	\$99,640
Future	15-1122	Information Security Analysts	BD+	2,470	2,890	17.0%	74	\$63,930	\$94,810	\$110,250
Future	23-1011	Lawyers	PROF	31,240	32,960	5.5%	629	\$61,670	\$139,050	\$177,740
Future	13-1111	Management Analysts	BD+	26,760	29,770	11.2%	672	\$51,620	\$88,180	\$106,470
Future	25-1022	Mathematical Science Teachers, Postsecondary	PhD	3,010	3,370	12.0%	89	\$43,170	\$83,100	\$103,070
Future	29-2011	Medical & Clinical Laboratory Technologists	BD	8,620	9,570	11.0%	301	N/A	N/A	N/A
Future	13-1121	Meeting, Convention & Event Planners	BD	3,300	3,650	10.6%	74	\$29,780	\$50,560	\$60,960
Future	21-1023	Mental Health & Substance Abuse Social Workers	BD	10,660	12,380	16.1%	429	\$26,240	\$36,800	\$42,080
Future	21-1014	Mental Health Counselors	MD+	12,170	14,200	16.7%	458	N/A	N/A	N/A
Future	25-2022	Middle School Teachers	BD+	22,800	23,340	2.4%	558	\$41,840	\$65,270	\$76,990
Future	29-1171	Nurse Practitioners	MD	4,000	5,120	28.0%	206	\$73,160	\$98,260	\$110,820
Future	25-1072	Nursing Instructors & Teachers, Postsecondary	MD+	3,200	3,710	15.9%	108	\$45,500	\$76,770	\$92,410
Future	29-1122	Occupational Therapists	MD	6,440	7,820	21.4%	262	\$57,000	\$79,860	\$91,290
Future	15-2031	Operations Research Analysts	BD	2,870	3,660	27.5%	130	\$50,400	\$81,940	\$97,710
Future	29-1041	Optometrists	PROF	1,640	1,880	14.6%	83	\$64,500	\$128,770	\$160,910
Future	13-2052	Personal Financial Advisors	BD+	10,010	12,730	27.2%	523	\$50,210	\$117,510	\$151,150
Future	25-1054	Physics Teachers, Postsecondary	PhD	1,120	1,270	13.4%	35	\$51,020	\$94,270	\$115,890
Future	29-1066	Psychiatrists	PROF	1,060	1,180	11.3%	41	\$85,640	\$202,240	\$260,540
Future	25-1066	Psychology Teachers, Postsecondary	PhD	2,480	2,800	12.9%	76	\$46,390	\$81,750	\$99,420
Future	13-1023	Purchasing Agents	BD+	13,900	14,200	2.2%	412	N/A	N/A	N/A
Future	29-1141	Registered Nurses	BD	130,070	148,240	14.0%	4,886	\$52,100	\$69,820	\$78,670
Future	21-1015	Rehabilitation Counselors	MD	7,720	8,670	12.3%	257	\$24,050	\$37,960	\$44,910
Future	11-2022	Sales Managers	BD+	10,460	10,800	3.3%	281	\$81,130	\$152,300	\$187,890
Future	11-9151	Social & Community Service Managers	BD+	6,500	7,270	11.8%	249	\$43,390	\$66,840	\$78,560
Future	25-1067	Sociology Teachers, Postsecondary	PhD	1,640	1,840	12.2%	49	\$45,630	\$79,410	\$96,300
Future	15-1132	Software Developers, Applications	BD	18,070	20,790	15.1%	530	\$63,420	\$95,660	\$111,780
Future	15-1133	Software Developers, Systems Software	BD	15,810	18,660	18.0%	511	\$71,760	\$102,080	\$117,240
Future	21-1011	Substance Abuse & Behavioral Disorder Counselors	BD	8,650	10,200	17.9%	336	N/A	N/A	N/A
Future	29-1067	Surgeons	PROF	2,290	2,520	10.0%	85	\$68,050	\$210,050	\$281,050
Future	13-1151	Training & Development Specialists	BD+	10,690	11,470	7.3%	338	\$39,790	\$63,810	\$75,820

2018 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment			Wages (2017)		
				Estimated 2014	Projected 2024	Percent Change	Annual Openings	Entry Level	Annual Average

Educational Attainment Abbreviations:

Short-term or Moderate-term training (**ST OJT** or **MT OJT**) – basic tasks and skills are learned through a period of on-the-job training. A high school diploma may be required.

Long-term training (**LT OJT**) – a high school diploma and at least one year of on-the-job training or an apprenticeship.

Related work experience (**WK EXP**) – a high school diploma and training gained through hands-on work in a similar occupation.

Postsecondary training (**PS** or **PS+**) – training is gained through a postsecondary training program. Some period of related work experience may be required.

Associate Degree (**AD** or **AD+**) – degree completed after two years of full-time schooling beyond high school. Some period of related work experience may be required.

Bachelor's Degree (**BD** or **BD+**) – degree completed after four years of full-time schooling beyond high school. Some period of related work experience may be required.

Master's Degree (**MD** or **MD+**) – degree completed after two years of full-time schooling beyond a bachelor's degree. Some period of related work experience may be required.

Doctoral (**PhD**) or First Professional Degree (**PROF**) – degree programs requiring 3-6 years of education at the college or university level beyond a four-year bachelor's degree.