

## 2021 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment				Wages (2020)		
				Estimated 2018	Projected 2028	Percent Change	Annual Demand	Entry Level	Annual Average	Exper. Level
Today	39-2011	Animal Trainers	MT OJT	1,200	1,290	7.5%	191	\$21,240	\$34,240	\$40,740
Today	51-2098	Assemblers & Fabricators, All Other	MT OJT	46,570	41,100	-11.7%	4,558	\$24,620	\$35,730	\$41,290
Today	43-3011	Bill & Account Collectors	MT OJT	9,760	9,120	-6.6%	1,062	\$29,280	\$40,230	\$45,700
Today	43-3021	Billing & Posting Clerks	MT OJT	22,900	24,960	9.0%	2,803	\$30,630	\$40,960	\$46,120
Today	43-4011	Brokerage Clerks	MT OJT	3,350	3,660	9.3%	393	\$41,520	\$58,090	\$66,370
Today	53-3022	Bus Drivers: School or Special Client	ST OJT	30,160	32,680	8.4%	4,216	\$21,840	\$32,490	\$37,820
Today	43-5011	Cargo & Freight Agents	ST OJT	1,720	1,870	8.7%	185	\$33,320	\$49,820	\$58,080
Today	41-2011	Cashiers	ST OJT	145,340	139,100	-4.3%	26,204	\$18,200	\$23,070	\$25,500
Today	47-2051	Cement Masons & Concrete Finishers	MT OJT	4,240	4,610	8.7%	502	\$36,250	\$59,010	\$70,380
Today	39-9011	Childcare Workers	ST OJT	46,690	48,100	3.0%	7,211	\$18,240	\$24,070	\$26,980
Today	51-4011	CNC Machine Tool Operators	MT OJT	11,440	11,890	3.9%	1,242	\$32,160	\$44,220	\$50,250
Today	35-3021	Combined Food Preparation & Serving Workers	ST OJT	151,530	174,050	14.9%	31,240	\$17,920	\$22,800	\$25,240
Today	21-1094	Community Health Workers	ST OJT	2,160	2,490	15.3%	297	\$28,790	\$44,540	\$52,410
Today	47-2061	Construction Laborers	ST OJT	55,340	59,970	8.4%	6,876	\$29,870	\$45,000	\$52,570
Today	35-2011	Cooks, Fast Food	ST OJT	8,280	7,470	-9.8%	1,032	\$17,760	\$20,960	\$22,560
Today	35-2012	Cooks, Institution & Cafeteria	ST OJT	16,310	17,450	7.0%	2,502	\$22,460	\$30,580	\$34,640
Today	35-2015	Cooks, Short Order	ST OJT	6,570	6,300	-4.1%	885	\$21,260	\$27,350	\$30,390
Today	33-3012	Correctional Officers & Jailers	MT OJT	17,550	16,360	-6.8%	1,376	\$42,780	\$57,220	\$64,450
Today	41-2021	Counter & Rental Clerks	ST OJT	11,720	12,270	4.7%	1,594	\$20,410	\$31,630	\$37,240
Today	35-3022	Counter Attendants, Cafeteria/Food Concession/Coffee Shop	ST OJT	10,820	11,350	4.9%	2,458	\$17,920	\$22,800	\$25,240
Today	33-9091	Crossing Guards & Flaggers	ST OJT	6,970	7,390	6.0%	1,217	\$19,810	\$32,130	\$38,290
Today	43-4051	Customer Service Representatives	ST OJT	125,710	122,300	-2.7%	16,186	\$25,640	\$38,760	\$45,320
Today	51-4031	Cutting, Punching & Press Machine Setters/Oprs/Tenders	MT OJT	8,190	7,560	-7.7%	817	\$28,500	\$39,480	\$44,970
Today	51-9081	Dental Laboratory Technicians	MT OJT	1,480	1,650	11.5%	211	\$26,840	\$41,360	\$48,630
Today	35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	15,710	17,060	8.6%	2,934	\$17,800	\$21,960	\$24,030
Today	35-9021	Dishwashers	ST OJT	22,570	23,100	2.3%	3,678	\$18,320	\$23,230	\$25,690
Today	53-3031	Driver/Sales Workers	ST OJT	17,170	16,710	-2.7%	1,879	\$17,910	\$31,340	\$38,050
Today	47-5021	Earth Drillers	MT OJT	800	870	8.8%	117	\$37,210	\$49,520	\$55,680
Today	51-2028	Elec. & Electromechanical Assemblers	MT OJT	14,060	14,430	2.6%	1,656	\$26,400	\$37,540	\$43,100
Today	43-4061	Eligibility Interviewers, Government Programs	MT OJT	7,660	7,870	2.7%	757	\$41,660	\$51,320	\$56,150
Today	39-9031	Exercise Trainers & Group Fitness Instructors	ST OJT	14,420	15,920	10.4%	2,670	\$20,460	\$38,590	\$47,650
Today	45-2092	Farmworkers & Laborers: Crop, Nursery & Greenhouse	ST OJT	21,890	22,060	0.8%	3,604	\$20,160	\$32,550	\$38,750
Today	45-2093	Farmworkers: Farm, Ranch & Aquacultural Animals	ST OJT	8,120	7,900	-2.7%	1,285	\$19,640	\$29,020	\$33,710
Today	51-3092	Food Batchmakers	MT OJT	7,620	7,800	2.4%	1,161	\$24,310	\$37,430	\$43,990
Today	35-2021	Food Preparation Workers	ST OJT	20,840	22,370	7.3%	3,889	\$18,160	\$24,410	\$27,540
Today	35-3041	Food Servers, Nonrestaurant	ST OJT	11,520	12,630	9.6%	1,998	\$19,840	\$24,620	\$27,010
Today	47-3011	Helpers--Brick/Block/Stonemasons & Tile & Marble Setters	ST OJT	810	890	9.9%	123	\$28,450	\$47,840	\$57,540
Today	47-3012	Helpers--Carpenters	ST OJT	1,000	1,110	11.0%	152	\$25,900	\$38,600	\$44,950
Today	47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	1,110	1,230	10.8%	169	\$27,520	\$37,670	\$42,750
Today	51-9198	Helpers--Production Workers	ST OJT	15,940	17,070	7.1%	2,546	\$24,170	\$33,630	\$38,350
Today	47-4051	Highway Maintenance Workers	MT OJT	11,400	11,850	3.9%	1,335	\$31,200	\$44,000	\$50,410
Today	31-1011	Home Health Aides	ST OJT	46,450	59,840	28.8%	7,295	\$22,130	\$26,510	\$28,700
Today	35-9031	Hosts & Hostesses, Restaurant/Lounge/Coffee Shop	ST OJT	16,180	17,610	8.8%	4,012	\$17,760	\$21,810	\$23,840
Today	43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	8,830	8,470	-4.1%	1,429	\$19,020	\$24,510	\$27,250

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Today	53-7051	Industrial Truck & Tractor Operators	ST OJT	31,480	33,430	6.2%	3,846	\$31,260	\$39,640	\$43,830
Today	51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	22,690	19,250	-15.2%	2,239	\$29,290	\$43,450	\$50,530
Today	43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	11,010	11,170	1.5%	1,119	\$33,020	\$48,750	\$56,610
Today	41-3021	Insurance Sales Agents	MT OJT	16,600	17,990	8.4%	1,820	\$29,640	\$66,430	\$84,830
Today	43-4111	Interviewers	ST OJT	9,990	10,280	2.9%	1,276	\$25,440	\$37,850	\$44,060
Today	37-3011	Landscaping & Groundskeeping Workers	ST OJT	40,440	43,230	6.9%	5,697	\$23,790	\$32,440	\$36,760
Today	51-6011	Laundry & Dry-Cleaning Workers	ST OJT	7,800	8,090	3.7%	1,089	\$19,970	\$25,820	\$28,740
Today	43-4121	Library Assistants, Clerical	ST OJT	5,490	5,470	-0.4%	824	\$18,540	\$26,790	\$30,910
Today	33-9092	Lifeguards, Ski Patrol & Other Protective Service Workers	ST OJT	6,150	6,530	6.2%	1,569	\$17,770	\$21,850	\$23,880
Today	53-3033	Light Truck Drivers	ST OJT	38,250	40,690	6.4%	4,731	\$22,000	\$38,330	\$46,490
Today	43-4131	Loan Interviewers & Clerks	ST OJT	7,970	8,480	6.4%	885	\$25,660	\$37,670	\$43,680
Today	49-9071	Maintenance & Repair Workers, General	MT OJT	63,220	67,240	6.4%	6,725	\$28,080	\$43,500	\$51,210
Today	51-9082	Medical Appliance Technicians	MT OJT	950	1,080	13.7%	138	\$29,890	\$42,710	\$49,110
Today	43-6013	Medical Secretaries & Administrative Assistants	MT OJT	21,180	24,270	14.6%	2,853	\$28,460	\$37,800	\$42,470
Today	51-4081	Multiple Machine Tool Setters/Oprs/Tenders	MT OJT	8,800	9,030	2.6%	956	\$29,250	\$39,420	\$44,500
Today	29-9012	Occupational Health & Safety Technicians	MT OJT	780	840	7.7%	52	\$39,280	\$52,910	\$59,720
Today	43-9061	Office Clerks, General	ST OJT	167,470	161,630	-3.5%	19,111	\$24,420	\$38,360	\$45,340
Today	47-2073	Operating Engineers	MT OJT	22,300	23,730	6.4%	2,796	\$38,680	\$56,240	\$65,020
Today	51-9083	Ophthalmic Laboratory Technicians	MT OJT	900	1,030	14.4%	132	\$26,640	\$34,450	\$38,360
Today	51-9111	Packaging & Filling Machine Oprs/Tenders	MT OJT	20,660	21,480	4.0%	2,529	\$25,440	\$36,780	\$42,450
Today	47-2141	Painters, Construction & Maintenance	MT OJT	9,860	10,460	6.1%	1,088	\$31,720	\$48,300	\$56,590
Today	41-2022	Parts Salespersons	MT OJT	8,900	9,180	3.1%	1,116	\$22,920	\$34,010	\$39,560
Today	47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	1,550	1,680	8.4%	214	\$25,770	\$41,950	\$50,040
Today	39-9021	Personal Care Aides	ST OJT	119,450	150,620	26.1%	21,939	\$22,130	\$26,510	\$28,700
Today	29-2052	Pharmacy Technicians	MT OJT	18,150	19,350	6.6%	1,632	\$24,130	\$31,760	\$35,570
Today	31-2022	Physical Therapist Aides	ST OJT	2,300	2,700	17.4%	349	\$23,010	\$33,470	\$38,700
Today	33-3051	Police & Sheriff's Patrol Officers	MT OJT	28,680	29,760	3.8%	2,158	\$45,010	\$70,970	\$83,950
Today	43-5052	Postal Service Mail Carriers	ST OJT	14,230	12,580	-11.6%	830	\$38,720	\$52,850	\$59,910
Today	51-5112	Printing Press Operators	MT OJT	9,690	8,820	-9.0%	912	\$28,700	\$41,220	\$47,480
Today	43-5061	Production, Planning & Expediting Clerks	MT OJT	11,370	11,970	5.3%	1,276	\$34,340	\$49,190	\$56,620
Today	31-1013	Psychiatric Aides	ST OJT	2,640	2,860	8.3%	330	\$27,750	\$39,140	\$44,840
Today	41-9022	Real Estate Sales Agents	MT OJT	13,410	14,070	4.9%	1,371	\$34,590	\$57,420	\$68,840
Today	43-4171	Receptionists & Information Clerks	ST OJT	40,520	42,550	5.0%	5,784	\$21,890	\$30,960	\$35,490
Today	39-9032	Recreation Workers	ST OJT	15,720	16,800	6.9%	2,809	\$19,170	\$28,510	\$33,190
Today	39-9041	Residential Advisors	ST OJT	7,280	7,890	8.4%	1,213	\$23,710	\$32,420	\$36,770
Today	41-2031	Retail Salespersons	ST OJT	169,250	165,660	-2.1%	24,101	\$19,560	\$29,580	\$34,600
Today	47-2181	Roofers	MT OJT	4,470	4,910	9.8%	528	\$33,030	\$49,790	\$58,170
Today	47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	1,030	1,130	9.7%	162	\$36,740	\$55,220	\$64,460
Today	41-4012	Sales Representatives	MT OJT	62,190	64,380	3.5%	6,857	\$38,190	\$75,360	\$93,940
Today	43-6014	Secretaries & Administrative Assistants	ST OJT	100,060	90,740	-9.3%	9,746	\$25,980	\$38,940	\$45,420
Today	49-2098	Security & Fire Alarm Systems Installers	MT OJT	2,630	2,940	11.8%	364	\$35,530	\$52,350	\$60,760
Today	33-9032	Security Guards	ST OJT	44,620	46,230	3.6%	6,007	\$22,440	\$31,490	\$36,010
Today	47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	1,560	1,760	12.8%	208	\$32,460	\$46,270	\$53,170
Today	47-5013	Service Unit Operators, Oil, Gas, & Mining	MT OJT	1,560	1,700	9.0%	244	\$30,180	\$42,760	\$49,050

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Today	39-5093	Shampooers	ST OJT	970	1,080	11.3%	128	\$18,110	\$20,390	\$21,540
Today	43-5071	Shipping, Receiving & Inventory Clerks	ST OJT	25,550	25,780	0.9%	2,570	\$26,550	\$37,930	\$43,630
Today	51-3023	Slaughterers & Meat Packers	ST OJT	2,680	2,890	7.8%	366	\$25,400	\$31,550	\$34,630
Today	21-1093	Social & Human Service Assistants	ST OJT	19,750	21,670	9.7%	2,654	\$25,960	\$35,550	\$40,350
Today	43-5081	Stock Clerks & Order Fillers	ST OJT	85,950	87,500	1.8%	11,699	\$21,290	\$29,140	\$33,070
Today	53-3041	Taxi Drivers & Chauffeurs	ST OJT	13,580	15,870	16.9%	1,825	\$21,840	\$32,490	\$37,820
Today	41-9041	Telemarketers	ST OJT	6,710	5,590	-16.7%	854	\$19,080	\$31,860	\$38,250
Today	43-3071	Tellers	ST OJT	20,260	17,580	-13.2%	2,011	\$26,560	\$32,030	\$34,770
Today	31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	2,550	3,010	18.0%	494	\$21,580	\$30,010	\$34,230
Today	35-3031	Waiters & Waitresses	ST OJT	98,520	102,860	4.4%	19,760	\$17,880	\$26,270	\$30,470
Today	43-5111	Weighers, Measurers, Checkers & Samplers	ST OJT	2,100	2,270	8.1%	266	\$26,960	\$37,700	\$43,080
Today	51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	16,720	17,630	5.4%	1,973	\$33,810	\$46,870	\$53,400
Tomorrow	27-4011	Audio & Video Technicians	PS	2,980	3,320	11.4%	370	\$29,310	\$48,630	\$58,290
Tomorrow	49-3021	Automotive Body & Related Repairers	LT OJT	7,820	8,130	4.0%	797	\$31,140	\$48,090	\$56,570
Tomorrow	49-3023	Automotive Service Technicians & Mechanics	PS	35,900	36,510	1.7%	3,586	\$28,070	\$43,160	\$50,710
Tomorrow	51-3011	Bakers	LT OJT	9,490	9,870	4.0%	1,360	\$19,080	\$27,590	\$31,850
Tomorrow	43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	60,730	58,130	-4.3%	6,664	\$28,440	\$42,220	\$49,110
Tomorrow	49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	13,700	14,480	5.7%	1,381	\$36,840	\$50,930	\$57,970
Tomorrow	47-2031	Carpenters	LT OJT	39,530	42,000	6.2%	4,466	\$34,340	\$55,370	\$65,890
Tomorrow	35-1011	Chefs & Head Cooks	WK EXP	3,250	3,590	10.5%	481	\$40,930	\$60,000	\$69,530
Tomorrow	17-3022	Civil Engineering Technologists & Technicians	AD	2,510	2,740	9.2%	279	\$41,080	\$57,860	\$66,250
Tomorrow	13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	13,680	13,030	-4.8%	1,063	\$44,060	\$70,860	\$84,260
Tomorrow	51-4012	CNC Machine Tool Programmers	PS	900	1,100	22.2%	123	\$44,220	\$60,950	\$69,310
Tomorrow	15-1151	Computer User Support Specialists	PS	27,120	29,610	9.2%	2,574	\$36,790	\$55,600	\$65,000
Tomorrow	47-4011	Construction & Building Inspectors	WK EXP	6,250	6,730	7.7%	851	\$40,930	\$60,420	\$70,160
Tomorrow	35-2014	Cooks, Restaurant	WK EXP	55,570	66,000	18.8%	9,641	\$20,220	\$27,570	\$31,240
Tomorrow	31-9091	Dental Assistants	PS	11,270	12,210	8.3%	1,408	\$29,870	\$41,410	\$47,180
Tomorrow	29-2021	Dental Hygienists	AD	9,780	10,510	7.5%	753	\$54,110	\$69,470	\$77,160
Tomorrow	29-2032	Diagnostic Medical Sonographers	AD	2,700	3,110	15.2%	200	\$53,530	\$68,490	\$75,960
Tomorrow	29-2051	Dietetic Technicians	AD	1,260	1,400	11.1%	121	\$20,760	\$31,770	\$37,270
Tomorrow	49-9051	Electrical Power-Line Installers & Repairers	LT OJT	4,380	4,710	7.5%	415	\$59,440	\$83,460	\$95,470
Tomorrow	47-2111	Electricians	LT OJT	23,170	24,840	7.2%	2,948	\$42,060	\$68,950	\$82,400
Tomorrow	29-2041	Emergency Medical Technicians & Paramedics	PS	12,930	13,560	4.9%	942	\$24,850	\$35,970	\$41,530
Tomorrow	17-3025	Environmental Engineering Technologists & Technicians	AD	870	940	8.0%	96	\$33,200	\$51,070	\$60,000
Tomorrow	19-4091	Environmental Science & Protection Technicians	AD	1,190	1,290	8.4%	157	\$30,590	\$44,810	\$51,930
Tomorrow	43-6011	Executive Secretaries & Administrative Assistants	WK EXP	19,270	15,640	-18.8%	1,591	\$43,960	\$63,160	\$72,760
Tomorrow	11-9013	Farmers, Ranchers & Other Agricultural Managers	WK EXP	40,600	39,530	-2.6%	3,872	\$51,900	\$81,290	\$95,980
Tomorrow	11-9051	Food Service Managers	WK EXP	8,860	9,610	8.5%	1,133	\$46,910	\$67,740	\$78,160
Tomorrow	47-2121	Glaziers	LT OJT	1,340	1,470	9.7%	175	\$40,660	\$54,240	\$61,030
Tomorrow	39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	44,180	48,220	9.1%	6,158	\$18,000	\$29,060	\$34,580
Tomorrow	49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	16,950	18,460	8.9%	1,880	\$37,270	\$54,740	\$63,480
Tomorrow	53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	87,780	93,410	6.4%	10,865	\$35,460	\$49,850	\$57,040
Tomorrow	49-9041	Industrial Machinery Mechanics	LT OJT	16,370	17,740	8.4%	1,701	\$41,140	\$56,210	\$63,740
Tomorrow	29-2061	Licensed Practical & Licensed Vocational Nurses	PS	39,590	44,460	12.3%	3,690	\$40,780	\$50,250	\$54,980

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Tomorrow	51-4041	Machinists	LT OJT	18,870	19,670	4.2%	2,036	\$33,300	\$49,260	\$57,240
Tomorrow	49-9043	Maintenance Workers, Machinery	LT OJT	6,490	7,010	8.0%	663	\$33,780	\$49,670	\$57,620
Tomorrow	39-5092	Manicurists & Pedicurists	PS	6,800	7,580	11.5%	897	\$17,840	\$21,680	\$23,600
Tomorrow	31-9011	Massage Therapists	PS	4,610	5,550	20.4%	686	\$25,680	\$46,700	\$57,220
Tomorrow	31-9092	Medical Assistants	PS	27,630	33,180	20.1%	3,905	\$27,970	\$34,670	\$38,020
Tomorrow	29-2071	Medical Records & Health Information Technicians	PS	8,940	9,970	11.5%	703	\$32,270	\$45,660	\$52,350
Tomorrow	31-1014	Nursing Assistants	PS	79,490	87,710	10.3%	10,191	\$27,080	\$32,560	\$35,300
Tomorrow	31-2011	Occupational Therapy Assistants	AD	2,620	3,340	27.5%	395	\$45,760	\$59,180	\$65,880
Tomorrow	29-2057	Ophthalmic Medical Technicians	PS	1,630	1,860	14.1%	162	\$19,240	\$30,520	\$36,160
Tomorrow	23-2011	Paralegals & Legal Assistants	AD	11,960	13,480	12.7%	1,497	\$38,510	\$58,490	\$68,490
Tomorrow	31-9097	Phlebotomists	PS	4,830	5,410	12.0%	599	\$30,070	\$37,800	\$41,670
Tomorrow	31-2021	Physical Therapist Assistants	AD	5,430	6,550	20.6%	855	\$40,640	\$56,820	\$64,910
Tomorrow	47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	16,540	18,140	9.7%	2,084	\$39,000	\$61,660	\$72,990
Tomorrow	25-2011	Preschool Teachers	AD	16,970	18,050	6.4%	1,866	\$21,970	\$31,850	\$36,790
Tomorrow	29-1126	Respiratory Therapists	AD	5,930	7,120	20.1%	463	\$46,730	\$59,810	\$66,350
Tomorrow	25-3021	Self-Enrichment Teachers	WK EXP	14,500	15,590	7.5%	1,824	\$20,840	\$36,920	\$44,950
Tomorrow	39-5094	Skincare Specialists	PS	2,030	2,280	12.3%	270	\$23,830	\$36,220	\$42,410
Tomorrow	47-2221	Structural Iron & Steel Workers	LT OJT	2,070	2,290	10.6%	279	\$38,190	\$59,700	\$70,460
Tomorrow	47-1011	Supervisors - Construction & Extraction Workers	WK EXP	22,590	24,410	8.1%	2,624	\$50,490	\$75,690	\$88,290
Tomorrow	35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	32,860	35,480	8.0%	5,479	\$25,320	\$40,570	\$48,200
Tomorrow	37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	8,690	9,270	6.7%	1,076	\$30,130	\$46,680	\$54,950
Tomorrow	49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	20,110	21,060	4.7%	1,983	\$50,550	\$74,090	\$85,860
Tomorrow	41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	16,860	16,840	-0.1%	1,607	\$55,970	\$98,150	\$119,240
Tomorrow	43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	70,360	69,400	-1.4%	7,225	\$40,460	\$63,070	\$74,380
Tomorrow	51-1011	Supervisors - Production & Operating Workers	WK EXP	28,520	29,050	1.9%	2,995	\$42,290	\$64,400	\$75,460
Tomorrow	41-1011	Supervisors - Retail Sales Workers	WK EXP	58,980	57,950	-1.7%	6,324	\$28,810	\$47,970	\$57,550
Tomorrow	53-1048	Supervisors - Transportation & Material-Moving Workers	WK EXP	20,090	21,610	7.6%	2,378	\$37,980	\$59,050	\$69,590
Tomorrow	29-2055	Surgical Technologists	PS	4,440	4,820	8.6%	412	\$37,350	\$47,890	\$53,150
Tomorrow	25-9041	Teacher Assistants	PS	46,840	50,130	7.0%	5,439	\$20,500	\$27,920	\$31,630
Tomorrow	49-9052	Telecommunications Line Installers & Repairers	LT OJT	6,890	7,050	2.3%	793	\$57,760	\$78,140	\$88,340
Tomorrow	47-2044	Tile & Stone Setters	LT OJT	1,410	1,690	19.9%	179	\$30,770	\$59,320	\$73,590
Tomorrow	11-3071	Transportation, Storage & Distribution Managers	WK EXP	3,840	4,160	8.3%	347	\$65,870	\$104,580	\$123,940
Tomorrow	29-2056	Veterinary Technologists & Technicians	AD	5,120	6,110	19.3%	551	\$26,380	\$36,210	\$41,130
Tomorrow	15-1134	Web Developers	AD	5,660	6,190	9.4%	504	\$47,000	\$73,540	\$86,810
Future	13-2011	Accountants & Auditors	BD	57,540	61,020	6.0%	5,871	\$50,090	\$77,810	\$91,670
Future	15-2011	Actuaries	BD+	1,670	2,060	23.4%	149	\$72,080	\$124,630	\$150,910
Future	17-2011	Aerospace Engineers	BD	1,290	1,390	7.8%	96	\$87,640	\$121,700	\$138,720
Future	25-1121	Art, Drama & Music Teachers, Postsecondary	MD	5,130	5,530	7.8%	479	\$42,740	\$81,600	\$101,030
Future	25-1042	Biological Science Teachers, Postsecondary	PhD	3,290	3,670	11.6%	327	\$56,530	\$98,300	\$119,180
Future	25-1011	Business Teachers, Postsecondary	PhD	5,520	6,380	15.6%	578	\$49,110	\$108,320	\$137,920
Future	13-1020	Buyers & Purchasing Agents	BD	15,440	14,420	-6.6%	1,454	\$44,560	\$70,000	\$82,730
Future	17-2041	Chemical Engineers	BD	1,340	1,460	9.0%	100	\$67,270	\$104,630	\$123,310
Future	21-1021	Child, Family & School Social Workers	BD	20,990	22,200	5.8%	2,230	\$31,590	\$46,110	\$53,370
Future	17-2051	Civil Engineers	BD	13,700	14,820	8.2%	1,222	\$62,240	\$92,600	\$107,780

## 2021 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment				Wages (2020)		
				Estimated 2018	Projected 2028	Percent Change	Annual Demand	Entry Level	Annual Average	Exper. Level
Future	21-2011	Clergy	BD	13,590	13,880	2.1%	1,517	\$27,850	\$53,470	\$66,280
Future	29-2010	Clinical Laboratory Techs	BD	15,080	16,230	7.6%	1,101	\$37,810	\$54,560	\$62,940
Future	27-2022	Coaches & Scouts	BD	8,190	8,900	8.7%	1,318	\$19,950	\$49,310	\$64,000
Future	13-1141	Compensation, Benefits & Job Analysis Specialists	BD+	3,270	3,540	8.3%	350	\$42,490	\$72,420	\$87,380
Future	13-1041	Compliance Officers	BD	13,830	14,670	6.1%	1,333	\$46,860	\$75,870	\$90,370
Future	11-3021	Computer & Information Systems Managers	BD+	13,760	15,020	9.2%	1,249	\$99,730	\$145,460	\$168,330
Future	17-2061	Computer Hardware Engineers	BD	2,410	2,610	8.3%	200	\$76,510	\$118,000	\$138,750
Future	15-1121	Computer Systems Analysts	BD	23,170	24,590	6.1%	1,866	\$63,000	\$96,050	\$112,570
Future	11-9021	Construction Managers	BD	15,100	16,220	7.4%	1,239	\$69,350	\$117,130	\$141,020
Future	13-1051	Cost Estimators	BD	8,780	9,390	6.9%	958	\$48,290	\$72,770	\$85,020
Future	13-2071	Credit Counselors	BD	1,800	1,960	8.9%	173	\$39,750	\$56,860	\$65,410
Future	15-1141	Database Administrators	BD	5,570	6,020	8.1%	456	\$52,970	\$87,150	\$104,230
Future	29-1031	Dietitians & Nutritionists	BD	3,560	4,020	12.9%	284	\$41,840	\$60,180	\$69,340
Future	21-2021	Directors, Religious Activities & Education	BD+	9,650	9,690	0.4%	1,201	\$22,480	\$43,990	\$54,740
Future	11-9032	Education Administrators, K-Secondary School	MD+	8,290	8,930	7.7%	732	\$76,420	\$102,980	\$116,260
Future	21-1012	Educational, Guidance & Career Counselors/Advisors	MD	8,290	9,010	8.7%	958	\$44,190	\$65,770	\$76,560
Future	25-2021	Elementary School Teachers	BD+	53,040	56,820	7.1%	4,430	\$49,660	\$69,410	\$79,280
Future	25-1032	Engineering Teachers, Postsecondary	PhD	3,000	3,310	10.3%	293	N/A	N/A	N/A
Future	19-2041	Environmental Scientists & Specialists	BD	2,170	2,370	9.2%	266	\$48,350	\$75,900	\$89,670
Future	29-1062	Family & General Practitioners	PROF	4,000	4,330	8.3%	154	\$131,460	\$218,310	\$261,740
Future	13-2051	Financial & Investment Analysts	BD	12,570	13,540	7.7%	1,205	\$54,470	\$95,860	\$116,560
Future	11-3031	Financial Managers	BD+	18,770	21,800	16.1%	1,867	\$89,300	\$153,730	\$185,950
Future	13-1131	Fundraisers	BD	3,990	4,300	7.8%	461	\$39,570	\$61,300	\$72,170
Future	11-1021	General & Operations Managers	BD+	82,580	88,220	6.8%	7,980	\$59,350	\$131,060	\$166,920
Future	19-2042	Geoscientists	BD	1,340	1,470	9.7%	165	\$62,380	\$120,590	\$149,700
Future	27-1024	Graphic Designers	BD	11,390	11,630	2.1%	1,171	\$35,060	\$56,240	\$66,840
Future	21-1091	Health Education Specialists	BD	2,220	2,440	9.9%	285	\$39,590	\$62,620	\$74,130
Future	25-1071	Health Specialties Teachers, Postsecondary	PhD	7,540	9,230	22.4%	863	\$46,050	\$111,720	\$144,560
Future	21-1022	Healthcare Social Workers	MD+	7,970	9,340	17.2%	983	\$41,750	\$57,400	\$65,230
Future	13-1071	Human Resources Specialists	BD	24,920	26,450	6.1%	2,730	\$43,400	\$68,910	\$81,670
Future	17-2112	Industrial Engineers	BD	9,390	10,290	9.6%	762	\$61,190	\$85,280	\$97,320
Future	15-1122	Information Security Analysts	BD+	3,010	3,820	26.9%	325	\$68,370	\$104,680	\$122,840
Future	25-9031	Instructional Coordinators	MD+	5,750	6,210	8.0%	602	\$49,140	\$75,280	\$88,350
Future	23-1011	Lawyers	PROF	31,760	33,690	6.1%	1,762	\$66,690	\$139,120	\$175,340
Future	13-2072	Loan Officers	BD	12,310	13,030	5.8%	1,133	\$42,660	\$81,370	\$100,720
Future	13-1111	Management Analysts	BD+	31,720	35,350	11.4%	3,521	\$56,980	\$92,640	\$110,470
Future	13-1161	Market Research Analysts & Marketing Specialists	BD	26,820	30,090	12.2%	3,237	\$39,960	\$70,320	\$85,500
Future	11-2021	Marketing Managers	BD+	7,990	8,580	7.4%	793	\$88,450	\$147,610	\$177,190
Future	21-1013	Marriage & Family Therapists	MD+	1,970	2,210	12.2%	238	\$37,760	\$55,790	\$64,810
Future	17-2141	Mechanical Engineers	BD	16,630	17,760	6.8%	1,276	\$61,190	\$88,310	\$101,880
Future	11-9111	Medical & Health Services Managers	BD+	14,890	17,820	19.7%	1,589	\$63,930	\$107,710	\$129,600
Future	19-1042	Medical Scientists	PhD	8,430	9,010	6.9%	835	\$62,420	\$102,510	\$122,560
Future	21-1023	Mental Health & Substance Abuse Social Workers	MD+	8,780	9,970	13.6%	1,034	\$28,730	\$39,510	\$44,890
Future	25-2022	Middle School Teachers	BD+	20,610	22,130	7.4%	1,728	\$45,190	\$69,670	\$81,910

## 2021 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment				Wages (2020)		
				Estimated 2018	Projected 2028	Percent Change	Annual Demand	Entry Level	Annual Average	Exper. Level
Future	15-1142	Network & Computer Systems Administrators	BD	13,150	13,590	3.3%	978	\$54,570	\$80,310	\$93,180
Future	29-1151	Nurse Anesthetists	MD	2,280	2,620	14.9%	155	\$134,550	\$185,090	\$210,360
Future	29-1171	Nurse Practitioners	MD	6,500	8,220	26.5%	565	\$80,920	\$111,560	\$126,880
Future	25-1072	Nursing Instructors & Teachers, Postsecondary	PhD	4,010	4,890	21.9%	455	\$52,460	\$78,360	\$91,310
Future	29-1122	Occupational Therapists	MD	7,660	8,990	17.4%	601	\$62,100	\$83,200	\$93,740
Future	15-2031	Operations Research Analysts	BD	2,920	3,630	24.3%	282	\$56,310	\$87,060	\$102,440
Future	13-2052	Personal Financial Advisors	BD+	11,040	12,170	10.2%	990	\$49,750	\$114,280	\$146,550
Future	25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	1,300	1,420	9.2%	124	\$52,990	\$89,510	\$107,770
Future	29-1123	Physical Therapists	PhD	12,500	15,070	20.6%	831	\$66,560	\$90,890	\$103,060
Future	29-1071	Physician Assistants	MD	6,660	8,720	30.9%	643	\$79,800	\$107,520	\$121,380
Future	25-1065	Political Science Teachers, Postsecondary	PhD	920	990	7.6%	85	\$63,610	\$98,640	\$116,160
Future	29-1066	Psychiatrists	PROF	1,230	1,410	14.6%	57	\$98,390	\$214,410	\$272,410
Future	25-1066	Psychology Teachers, Postsecondary	PhD	2,150	2,410	12.1%	215	\$49,800	\$91,040	\$111,660
Future	27-3031	Public Relations Specialists	BD	9,170	9,800	6.9%	1,047	\$36,800	\$64,090	\$77,740
Future	29-1141	Registered Nurses	BD	151,750	170,720	12.5%	10,507	\$55,720	\$74,170	\$83,400
Future	21-1015	Rehabilitation Counselors	MD	8,110	8,790	8.4%	933	\$26,560	\$42,670	\$50,730
Future	11-2022	Sales Managers	BD+	8,850	9,330	5.4%	855	\$84,920	\$152,460	\$186,230
Future	41-4011	Sales Representatives, Technical & Scientific Products	BD+	13,710	14,200	3.6%	1,512	\$49,690	\$81,710	\$97,720
Future	25-2031	Secondary School Teachers	BD+	48,360	51,910	7.3%	3,868	\$49,150	\$69,530	\$79,720
Future	41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	12,850	13,640	6.1%	1,333	\$40,150	\$93,390	\$120,010
Future	11-9151	Social & Community Service Managers	BD+	9,340	10,250	9.7%	941	\$45,850	\$68,380	\$79,650
Future	15-1132	Software Developers, Applications	BD	29,510	35,790	21.3%	2,927	\$66,670	\$100,110	\$116,840
Future	15-1133	Software Developers, Systems Software	BD	9,130	9,930	8.8%	751	\$66,670	\$100,110	\$116,840
Future	29-1127	Speech-Language Pathologists	MD+	5,560	6,480	16.5%	413	\$56,970	\$82,270	\$94,910
Future	43-9111	Statistical Assistants	BD	780	850	9.0%	108	\$33,690	\$49,610	\$57,580
Future	15-2041	Statisticians	MD	3,400	4,460	31.2%	408	\$53,340	\$92,670	\$112,330
Future	21-1018	Substance Abuse, Behavioral Disorder & MH Counselors	BD	23,700	27,890	17.7%	3,058	\$32,800	\$48,450	\$56,280
Future	17-1022	Surveyors	BD+	1,750	1,900	8.6%	148	\$37,110	\$59,230	\$70,300
Future	27-3042	Technical Writers	BD+	2,000	2,150	7.5%	217	\$52,650	\$75,850	\$87,440
Future	11-3131	Training & Development Managers	BD+	1,010	1,090	7.9%	100	\$75,280	\$115,910	\$136,220
Future	13-1151	Training & Development Specialists	BD+	9,940	10,760	8.2%	1,191	\$41,740	\$66,580	\$78,990
Future	19-3051	Urban & Regional Planners	MD	1,460	1,610	10.3%	157	\$47,120	\$70,740	\$82,550
Future	29-1131	Veterinarians	PROF	3,360	3,960	17.9%	201	\$69,740	\$112,210	\$133,440

**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.