

## 2020 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment				Wages (2019)		
				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	\$19,750	\$30,100	\$35,270
Today	43-3011	Bill & Account Collectors	MT OJT	9,760	9,120	-6.6%	1,062	\$28,060	\$39,210	\$44,790
Today	43-3021	Billing & Posting Clerks	MT OJT	22,900	24,960	9.0%	2,803	\$30,150	\$40,150	\$45,140
Today	43-4011	Brokerage Clerks	MT OJT	3,350	3,660	9.3%	393	\$39,460	\$54,960	\$62,710
Today	53-3022	Bus Drivers: School or Special Client	ST OJT	30,160	32,680	8.4%	4,216	\$20,680	\$30,720	\$35,750
Today	43-5011	Cargo & Freight Agents	ST OJT	1,720	1,870	8.7%	185	\$32,800	\$48,400	\$56,200
Today	41-2011	Cashiers	ST OJT	145,340	139,100	-4.3%	26,204	\$17,610	\$22,060	\$24,290
Today	47-2051	Cement Masons & Concrete Finishers	MT OJT	4,240	4,610	8.7%	502	\$35,280	\$54,910	\$64,730
Today	39-9011	Childcare Workers	ST OJT	46,690	48,100	3.0%	7,211	\$17,870	\$23,610	\$26,480
Today	51-4011	CNC Machine Tool Operators	MT OJT	11,440	11,890	3.9%	1,242	\$30,430	\$42,260	\$48,180
Today	35-3021	Combined Food Preparation & Serving Workers	ST OJT	151,530	174,050	14.9%	31,240	\$17,660	\$21,970	\$24,130
Today	21-1094	Community Health Workers	ST OJT	2,160	2,490	15.3%	297	\$30,740	\$43,050	\$49,200
Today	35-2011	Cooks, Fast Food	ST OJT	8,280	7,470	-9.8%	1,032	\$17,440	\$20,760	\$22,420
Today	35-2012	Cooks, Institution & Cafeteria	ST OJT	16,310	17,450	7.0%	2,502	\$22,050	\$30,090	\$34,120
Today	35-2015	Cooks, Short Order	ST OJT	6,570	6,300	-4.1%	885	\$19,960	\$26,510	\$29,780
Today	33-3012	Correctional Officers & Jailers	MT OJT	17,550	16,360	-6.8%	1,376	\$41,240	\$55,330	\$62,370
Today	41-2021	Counter & Rental Clerks	ST OJT	11,720	12,270	4.7%	1,594	\$19,230	\$29,980	\$35,350
Today	35-3022	Counter Attendants, Cafeteria/Food Concession/Coffee Shop	ST OJT	10,820	11,350	4.9%	2,458	\$17,660	\$21,970	\$24,130
Today	33-9091	Crossing Guards & Flaggers	ST OJT	6,970	7,390	6.0%	1,217	\$19,040	\$30,090	\$35,610
Today	43-4051	Customer Service Representatives	ST OJT	125,710	122,300	-2.7%	16,186	\$25,000	\$37,450	\$43,680
Today	51-4031	Cutting, Punching & Press Machine Setters/Oprs/Tenders	MT OJT	8,190	7,560	-7.7%	817	\$27,200	\$38,530	\$44,200
Today	51-9081	Dental Laboratory Technicians	MT OJT	1,480	1,650	11.5%	211	\$27,370	\$40,890	\$47,650
Today	35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	15,710	17,060	8.6%	2,934	\$17,650	\$20,610	\$22,080
Today	35-9021	Dishwashers	ST OJT	22,570	23,100	2.3%	3,678	\$17,860	\$21,990	\$24,060
Today	53-3031	Driver/Sales Workers	ST OJT	17,170	16,710	-2.7%	1,879	\$17,570	\$28,260	\$33,610
Today	47-5021	Earth Drillers	MT OJT	800	870	8.8%	117	\$36,720	\$48,800	\$54,840
Today	43-4061	Eligibility Interviewers, Government Programs	MT OJT	7,660	7,870	2.7%	757	\$41,260	\$50,360	\$54,910
Today	39-9031	Exercise Trainers & Group Fitness Instructors	ST OJT	14,420	15,920	10.4%	2,670	\$20,250	\$36,590	\$44,760
Today	45-2092	Farmworkers & Laborers: Crop, Nursery & Greenhouse	ST OJT	21,890	22,060	0.8%	3,604	\$19,300	\$32,070	\$38,450
Today	45-2093	Farmworkers: Farm, Ranch & Aquacultural Animals	ST OJT	8,120	7,900	-2.7%	1,285	\$19,230	\$27,860	\$32,180
Today	51-3092	Food Batchmakers	MT OJT	7,620	7,800	2.4%	1,161	\$24,630	\$36,810	\$42,900
Today	35-2021	Food Preparation Workers	ST OJT	20,840	22,370	7.3%	3,889	\$18,270	\$23,970	\$26,820
Today	35-3041	Food Servers, Nonrestaurant	ST OJT	11,520	12,630	9.6%	1,998	\$18,550	\$23,640	\$26,180
Today	47-3011	Helpers--Brick/Block/Stonemasons & Tile & Marble Setters	ST OJT	810	890	9.9%	123	\$28,640	\$46,130	\$54,880
Today	47-3012	Helpers--Carpenters	ST OJT	1,000	1,110	11.0%	152	\$23,570	\$34,840	\$40,480
Today	47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	1,110	1,230	10.8%	169	\$24,740	\$35,640	\$41,080
Today	51-9198	Helpers--Production Workers	ST OJT	15,940	17,070	7.1%	2,546	\$22,170	\$31,720	\$36,500
Today	47-4051	Highway Maintenance Workers	MT OJT	11,400	11,850	3.9%	1,335	\$30,200	\$43,570	\$50,260
Today	31-1011	Home Health Aides	ST OJT	46,450	59,840	28.8%	7,295	\$21,680	\$25,810	\$27,880
Today	35-9031	Hosts & Hostesses, Restaurant/Lounge/Coffee Shop	ST OJT	16,180	17,610	8.8%	4,012	\$17,540	\$21,480	\$23,450

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Today	43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	8,830	8,470	-4.1%	1,429	\$17,910	\$23,440	\$26,210
Today	53-7051	Industrial Truck & Tractor Operators	ST OJT	31,480	33,430	6.2%	3,846	\$29,710	\$38,380	\$42,710
Today	51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	22,690	19,250	-15.2%	2,239	\$27,970	\$41,590	\$48,400
Today	43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	11,010	11,170	1.5%	1,119	\$32,470	\$45,430	\$51,910
Today	41-3021	Insurance Sales Agents	MT OJT	16,600	17,990	8.4%	1,820	\$31,730	\$70,320	\$89,620
Today	43-4111	Interviewers	ST OJT	9,990	10,280	2.9%	1,276	\$23,580	\$35,960	\$42,140
Today	37-3011	Landscaping & Groundskeeping Workers	ST OJT	40,440	43,230	6.9%	5,697	\$22,770	\$31,600	\$36,020
Today	51-6011	Laundry & Dry-Cleaning Workers	ST OJT	7,800	8,090	3.7%	1,089	\$19,290	\$25,220	\$28,180
Today	43-4121	Library Assistants, Clerical	ST OJT	5,490	5,470	-0.4%	824	\$17,970	\$26,140	\$30,220
Today	33-9092	Lifeguards, Ski Patrol & Other Protective Service Workers	ST OJT	6,150	6,530	6.2%	1,569	\$17,530	\$21,160	\$22,980
Today	53-3033	Light Truck Drivers	ST OJT	38,250	40,690	6.4%	4,731	\$20,320	\$35,290	\$42,770
Today	43-4131	Loan Interviewers & Clerks	ST OJT	7,970	8,480	6.4%	885	\$25,400	\$36,310	\$41,760
Today	49-9071	Maintenance & Repair Workers, General	MT OJT	63,220	67,240	6.4%	6,725	\$26,290	\$41,250	\$48,730
Today	51-9082	Medical Appliance Technicians	MT OJT	950	1,080	13.7%	138	\$30,220	\$44,090	\$51,020
Today	43-6013	Medical Secretaries & Administrative Assistants	MT OJT	21,180	24,270	14.6%	2,853	\$27,650	\$36,640	\$41,140
Today	51-4081	Multiple Machine Tool Setters/Oprs/Tenders	MT OJT	8,800	9,030	2.6%	956	\$27,110	\$38,030	\$43,490
Today	29-9012	Occupational Health & Safety Technicians	MT OJT	780	840	7.7%	52	\$38,600	\$50,720	\$56,780
Today	43-9061	Office Clerks, General	ST OJT	167,470	161,630	-3.5%	19,111	\$23,500	\$36,940	\$43,660
Today	47-2073	Operating Engineers	MT OJT	22,300	23,730	6.4%	2,796	\$37,770	\$55,680	\$64,630
Today	51-9083	Ophthalmic Laboratory Technicians	MT OJT	900	1,030	14.4%	132	\$26,230	\$35,660	\$40,380
Today	51-9111	Packaging & Filling Machine Oprs/Tenders	MT OJT	20,660	21,480	4.0%	2,529	\$24,920	\$35,420	\$40,670
Today	47-2141	Painters, Construction & Maintenance	MT OJT	9,860	10,460	6.1%	1,088	\$30,570	\$46,320	\$54,200
Today	41-2022	Parts Salespersons	MT OJT	8,900	9,180	3.1%	1,116	\$22,050	\$33,470	\$39,180
Today	47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	1,550	1,680	8.4%	214	\$26,490	\$41,890	\$49,590
Today	39-9021	Personal Care Aides	ST OJT	119,450	150,620	26.1%	21,939	\$21,680	\$25,810	\$27,880
Today	29-2052	Pharmacy Technicians	MT OJT	18,150	19,350	6.6%	1,632	\$23,290	\$31,130	\$35,050
Today	31-2022	Physical Therapist Aides	ST OJT	2,300	2,700	17.4%	349	\$21,900	\$31,550	\$36,370
Today	33-3051	Police & Sheriff's Patrol Officers	MT OJT	28,680	29,760	3.8%	2,158	\$42,920	\$68,940	\$81,950
Today	43-5052	Postal Service Mail Carriers	ST OJT	14,230	12,580	-11.6%	830	\$37,900	\$52,310	\$59,510
Today	51-5112	Printing Press Operators	MT OJT	9,690	8,820	-9.0%	912	\$27,120	\$40,840	\$47,700
Today	43-5061	Production, Planning & Expediting Clerks	MT OJT	11,370	11,970	5.3%	1,276	\$33,210	\$47,950	\$55,330
Today	31-1013	Psychiatric Aides	ST OJT	2,640	2,860	8.3%	330	\$26,100	\$35,910	\$40,810
Today	41-9022	Real Estate Sales Agents	MT OJT	13,410	14,070	4.9%	1,371	\$34,110	\$62,430	\$76,590
Today	43-4171	Receptionists & Information Clerks	ST OJT	40,520	42,550	5.0%	5,784	\$21,100	\$29,910	\$34,320
Today	39-9032	Recreation Workers	ST OJT	15,720	16,800	6.9%	2,809	\$18,780	\$27,510	\$31,880
Today	41-2031	Retail Salespersons	ST OJT	169,250	165,660	-2.1%	24,101	\$18,380	\$28,710	\$33,870
Today	47-2181	Roofers	MT OJT	4,470	4,910	9.8%	528	\$32,820	\$49,850	\$58,360
Today	47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	1,030	1,130	9.7%	162	\$35,100	\$53,490	\$62,680
Today	41-4012	Sales Representatives	MT OJT	62,190	64,380	3.5%	6,857	\$36,640	\$73,780	\$92,350
Today	43-6014	Secretaries & Administrative Assistants	ST OJT	100,060	90,740	-9.3%	9,746	\$25,050	\$37,540	\$43,790

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Today	49-2098	Security & Fire Alarm Systems Installers	MT OJT	2,630	2,940	11.8%	364	\$33,980	\$52,140	\$61,220
Today	33-9032	Security Guards	ST OJT	44,620	46,230	3.6%	6,007	\$21,460	\$30,110	\$34,430
Today	47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	1,560	1,760	12.8%	208	\$33,140	\$45,250	\$51,310
Today	39-5093	Shampooers	ST OJT	970	1,080	11.3%	128	\$17,590	\$19,710	\$20,770
Today	43-5071	Shipping, Receiving & Inventory Clerks	ST OJT	25,550	25,780	0.9%	2,570	\$25,570	\$36,650	\$42,200
Today	51-3023	Slaughterers & Meat Packers	ST OJT	2,680	2,890	7.8%	366	\$24,440	\$30,790	\$33,970
Today	21-1093	Social & Human Service Assistants	ST OJT	19,750	21,670	9.7%	2,654	\$25,610	\$34,490	\$38,930
Today	43-5081	Stock Clerks & Order Fillers	ST OJT	85,950	87,500	1.8%	11,699	\$20,580	\$27,910	\$31,580
Today	53-3041	Taxi Drivers & Chauffeurs	ST OJT	13,580	15,870	16.9%	1,825	\$20,680	\$30,720	\$35,750
Today	41-9041	Telemarketers	ST OJT	6,710	5,590	-16.7%	854	\$18,060	\$28,670	\$33,980
Today	43-3071	Tellers	ST OJT	20,260	17,580	-13.2%	2,011	\$25,700	\$31,240	\$34,000
Today	31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	2,550	3,010	18.0%	494	\$20,620	\$28,890	\$33,030
Today	35-3031	Waiters & Waitresses	ST OJT	98,520	102,860	4.4%	19,760	\$17,580	\$25,380	\$29,270
Today	43-5111	Weighers, Measurers, Checkers & Samplers	ST OJT	2,100	2,270	8.1%	266	\$27,370	\$36,820	\$41,540
Today	51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	16,720	17,630	5.4%	1,973	\$32,560	\$44,480	\$50,440
Tomorrow	27-4011	Audio & Video Technicians	PS	2,980	3,320	11.4%	370	\$28,890	\$49,060	\$59,150
Tomorrow	49-3021	Automotive Body & Related Repairers	LT OJT	7,820	8,130	4.0%	797	\$30,500	\$47,970	\$56,710
Tomorrow	49-3023	Automotive Service Technicians & Mechanics	PS	35,900	36,510	1.7%	3,586	\$27,260	\$42,010	\$49,380
Tomorrow	51-3011	Bakers	LT OJT	9,490	9,870	4.0%	1,360	\$19,050	\$26,790	\$30,660
Tomorrow	43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	60,730	58,130	-4.3%	6,664	\$27,700	\$40,950	\$47,570
Tomorrow	49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	13,700	14,480	5.7%	1,381	\$33,790	\$48,330	\$55,600
Tomorrow	47-2031	Carpenters	LT OJT	39,530	42,000	6.2%	4,466	\$33,820	\$54,810	\$65,310
Tomorrow	35-1011	Chefs & Head Cooks	WK EXP	3,250	3,590	10.5%	481	\$40,010	\$59,040	\$68,560
Tomorrow	17-3022	Civil Engineering Technologists & Technicians	AD	2,510	2,740	9.2%	279	\$40,130	\$55,560	\$63,280
Tomorrow	13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	13,680	13,030	-4.8%	1,063	\$43,220	\$68,290	\$80,820
Tomorrow	51-4012	CNC Machine Tool Programmers	PS	900	1,100	22.2%	123	\$43,210	\$58,550	\$66,230
Tomorrow	15-1151	Computer User Support Specialists	PS	27,120	29,610	9.2%	2,574	\$35,970	\$53,530	\$62,310
Tomorrow	47-4011	Construction & Building Inspectors	WK EXP	6,250	6,730	7.7%	851	\$39,640	\$59,270	\$69,090
Tomorrow	35-2014	Cooks, Restaurant	WK EXP	55,570	66,000	18.8%	9,641	\$19,610	\$26,770	\$30,340
Tomorrow	31-9091	Dental Assistants	PS	11,270	12,210	8.3%	1,408	\$29,280	\$40,290	\$45,790
Tomorrow	29-2021	Dental Hygienists	AD	9,780	10,510	7.5%	753	\$53,770	\$67,940	\$75,020
Tomorrow	29-2032	Diagnostic Medical Sonographers	AD	2,700	3,110	15.2%	200	\$52,350	\$66,270	\$73,240
Tomorrow	29-2051	Dietetic Technicians	AD	1,260	1,400	11.1%	121	\$20,980	\$31,550	\$36,840
Tomorrow	49-9051	Electrical Power-Line Installers & Repairers	LT OJT	4,380	4,710	7.5%	415	\$58,100	\$81,380	\$93,010
Tomorrow	47-2111	Electricians	LT OJT	23,170	24,840	7.2%	2,948	\$40,870	\$68,390	\$82,150
Tomorrow	29-2041	Emergency Medical Technicians & Paramedics	PS	12,930	13,560	4.9%	942	\$23,440	\$34,310	\$39,750
Tomorrow	17-3025	Environmental Engineering Technologists & Technicians	AD	870	940	8.0%	96	\$35,140	\$52,060	\$60,530
Tomorrow	19-4091	Environmental Science & Protection Technicians	AD	1,190	1,290	8.4%	157	\$29,610	\$42,790	\$49,380
Tomorrow	43-6011	Executive Secretaries & Administrative Assistants	WK EXP	19,270	15,640	-18.8%	1,591	\$41,190	\$60,580	\$70,280
Tomorrow	11-9013	Farmers, Ranchers & Other Agricultural Managers	WK EXP	40,600	39,530	-2.6%	3,872	\$54,780	\$86,070	\$101,720

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Tomorrow	11-9051	Food Service Managers	WK EXP	8,860	9,610	8.5%	1,133	\$44,160	\$66,790	\$78,110
Tomorrow	47-2121	Glaziers	LT OJT	1,340	1,470	9.7%	175	\$36,360	\$55,140	\$64,540
Tomorrow	39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	44,180	48,220	9.1%	6,158	\$17,720	\$27,290	\$32,080
Tomorrow	49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	16,950	18,460	8.9%	1,880	\$35,280	\$51,880	\$60,180
Tomorrow	53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	87,780	93,410	6.4%	10,865	\$34,220	\$48,060	\$54,980
Tomorrow	49-9041	Industrial Machinery Mechanics	LT OJT	16,370	17,740	8.4%	1,701	\$39,120	\$53,350	\$60,460
Tomorrow	29-2061	Licensed Practical & Licensed Vocational Nurses	PS	39,590	44,460	12.3%	3,690	\$39,620	\$49,200	\$53,980
Tomorrow	51-4041	Machinists	LT OJT	18,870	19,670	4.2%	2,036	\$32,790	\$46,340	\$53,110
Tomorrow	49-9043	Maintenance Workers, Machinery	LT OJT	6,490	7,010	8.0%	663	\$33,400	\$47,800	\$54,990
Tomorrow	39-5092	Manicurists & Pedicurists	PS	6,800	7,580	11.5%	897	\$17,600	\$21,630	\$23,640
Tomorrow	31-9011	Massage Therapists	PS	4,610	5,550	20.4%	686	\$25,880	\$45,520	\$55,330
Tomorrow	31-9092	Medical Assistants	PS	27,630	33,180	20.1%	3,905	\$26,780	\$33,490	\$36,850
Tomorrow	29-2071	Medical Records & Health Information Technicians	PS	8,940	9,970	11.5%	703	\$31,200	\$43,390	\$49,490
Tomorrow	31-1014	Nursing Assistants	PS	79,490	87,710	10.3%	10,191	\$26,300	\$31,590	\$34,230
Tomorrow	31-2011	Occupational Therapy Assistants	AD	2,620	3,340	27.5%	395	\$45,240	\$57,200	\$63,180
Tomorrow	29-2057	Ophthalmic Medical Technicians	PS	1,630	1,860	14.1%	162	\$18,300	\$30,900	\$37,200
Tomorrow	23-2011	Paralegals & Legal Assistants	AD	11,960	13,480	12.7%	1,497	\$35,760	\$55,490	\$65,360
Tomorrow	31-9097	Phlebotomists	PS	4,830	5,410	12.0%	599	\$28,270	\$34,830	\$38,110
Tomorrow	31-2021	Physical Therapist Assistants	AD	5,430	6,550	20.6%	855	\$39,340	\$55,520	\$63,610
Tomorrow	47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	16,540	18,140	9.7%	2,084	\$37,430	\$59,900	\$71,140
Tomorrow	25-2011	Preschool Teachers	AD	16,970	18,050	6.4%	1,866	\$22,650	\$31,380	\$35,740
Tomorrow	29-1126	Respiratory Therapists	AD	5,930	7,120	20.1%	463	\$45,250	\$57,600	\$63,780
Tomorrow	25-3021	Self-Enrichment Teachers	WK EXP	14,500	15,590	7.5%	1,824	\$21,290	\$38,220	\$46,690
Tomorrow	39-5094	Skincare Specialists	PS	2,030	2,280	12.3%	270	\$25,730	\$37,300	\$43,090
Tomorrow	47-2221	Structural Iron & Steel Workers	LT OJT	2,070	2,290	10.6%	279	\$35,870	\$58,550	\$69,890
Tomorrow	47-1011	Supervisors - Construction & Extraction Workers	WK EXP	22,590	24,410	8.1%	2,624	\$49,770	\$74,640	\$87,070
Tomorrow	35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	32,860	35,480	8.0%	5,479	\$23,910	\$38,960	\$46,490
Tomorrow	49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	20,110	21,060	4.7%	1,983	\$48,080	\$71,990	\$83,950
Tomorrow	41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	16,860	16,840	-0.1%	1,607	\$52,720	\$96,000	\$117,630
Tomorrow	43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	70,360	69,400	-1.4%	7,225	\$39,440	\$61,520	\$72,560
Tomorrow	51-1011	Supervisors - Production & Operating Workers	WK EXP	28,520	29,050	1.9%	2,995	\$41,430	\$62,590	\$73,170
Tomorrow	41-1011	Supervisors - Retail Sales Workers	WK EXP	58,980	57,950	-1.7%	6,324	\$27,450	\$46,630	\$56,220
Tomorrow	29-2055	Surgical Technologists	PS	4,440	4,820	8.6%	412	\$35,900	\$45,480	\$50,270
Tomorrow	25-9041	Teacher Assistants	PS	46,840	50,130	7.0%	5,439	\$20,090	\$27,450	\$31,140
Tomorrow	49-9052	Telecommunications Line Installers & Repairers	LT OJT	6,890	7,050	2.3%	793	\$46,260	\$71,490	\$84,100
Tomorrow	47-2044	Tile & Stone Setters	LT OJT	1,410	1,690	19.9%	179	\$29,790	\$54,240	\$66,470
Tomorrow	11-3071	Transportation, Storage & Distribution Managers	WK EXP	3,840	4,160	8.3%	347	\$64,740	\$103,260	\$122,530
Tomorrow	29-2056	Veterinary Technologists & Technicians	AD	5,120	6,110	19.3%	551	\$26,410	\$37,050	\$42,370
Tomorrow	15-1134	Web Developers	AD	5,660	6,190	9.4%	504	\$46,310	\$72,190	\$85,140
Future	13-2011	Accountants & Auditors	BD	57,540	61,020	6.0%	5,871	\$49,440	\$76,720	\$90,360

## 2020 Pennsylvania In-Demand Occupations List

Jobs of...	SOC Code	SOC Title	Educational Attainment	Employment				Wages (2019)		
				Estimated 2018	Projected 2028	Percent Change	Annual Demand	Entry Level	Annual Average	Exper. Level
Future	25-1121	Art, Drama & Music Teachers, Postsecondary	MD	5,130	5,530	7.8%	479	\$41,030	\$80,640	\$100,450
Future	25-1042	Biological Science Teachers, Postsecondary	PhD	3,290	3,670	11.6%	327	\$51,800	\$97,430	\$120,240
Future	25-1011	Business Teachers, Postsecondary	PhD	5,520	6,380	15.6%	578	\$42,000	\$107,050	\$139,570
Future	17-2041	Chemical Engineers	BD	1,340	1,460	9.0%	100	\$69,150	\$94,790	\$107,610
Future	21-1021	Child, Family & School Social Workers	BD	20,990	22,200	5.8%	2,230	\$31,080	\$44,870	\$51,770
Future	17-2051	Civil Engineers	BD	13,700	14,820	8.2%	1,222	\$56,750	\$87,050	\$102,200
Future	21-2011	Clergy	BD	13,590	13,880	2.1%	1,517	\$27,220	\$52,740	\$65,500
Future	27-2022	Coaches & Scouts	BD	8,190	8,900	8.7%	1,318	\$18,970	\$44,170	\$56,760
Future	13-1141	Compensation, Benefits & Job Analysis Specialists	BD+	3,270	3,540	8.3%	350	\$43,700	\$73,060	\$87,740
Future	13-1041	Compliance Officers	BD	13,830	14,670	6.1%	1,333	\$45,280	\$73,650	\$87,830
Future	11-3021	Computer & Information Systems Managers	BD+	13,760	15,020	9.2%	1,249	\$98,040	\$144,390	\$167,570
Future	17-2061	Computer Hardware Engineers	BD	2,410	2,610	8.3%	200	\$77,190	\$118,050	\$138,490
Future	15-1121	Computer Systems Analysts	BD	23,170	24,590	6.1%	1,866	\$62,360	\$97,560	\$115,170
Future	11-9021	Construction Managers	BD	15,100	16,220	7.4%	1,239	\$60,840	\$108,820	\$132,810
Future	13-1051	Cost Estimators	BD	8,780	9,390	6.9%	958	\$46,950	\$69,740	\$81,140
Future	13-2071	Credit Counselors	BD	1,800	1,960	8.9%	173	\$38,330	\$55,350	\$63,870
Future	15-1141	Database Administrators	BD	5,570	6,020	8.1%	456	\$54,500	\$86,820	\$102,980
Future	29-1031	Dietitians & Nutritionists	BD	3,560	4,020	12.9%	284	\$40,720	\$59,160	\$68,370
Future	21-2021	Directors, Religious Activities & Education	BD+	9,650	9,690	0.4%	1,201	\$19,020	\$40,130	\$50,690
Future	11-9032	Education Administrators, K-Secondary School	MD+	8,290	8,930	7.7%	732	\$75,540	\$101,710	\$114,790
Future	21-1012	Educational, Guidance & Career Counselors/Advisors	MD	8,290	9,010	8.7%	958	\$42,600	\$63,680	\$74,210
Future	25-2021	Elementary School Teachers	BD+	53,040	56,820	7.1%	4,430	\$48,540	\$69,630	\$80,170
Future	25-1032	Engineering Teachers, Postsecondary	PhD	3,000	3,310	10.3%	293	\$61,150	\$118,020	\$146,460
Future	19-2041	Environmental Scientists & Specialists	BD	2,170	2,370	9.2%	266	\$46,460	\$72,840	\$86,040
Future	29-1062	Family & General Practitioners	PROF	4,000	4,330	8.3%	154	\$113,890	\$201,220	\$244,890
Future	13-2051	Financial & Investment Analysts	BD	12,570	13,540	7.7%	1,205	\$53,190	\$91,150	\$110,140
Future	11-3031	Financial Managers	BD+	18,770	21,800	16.1%	1,867	\$88,340	\$153,350	\$185,850
Future	13-1131	Fundraisers	BD	3,990	4,300	7.8%	461	\$38,210	\$61,790	\$73,580
Future	11-1021	General & Operations Managers	BD+	82,580	88,220	6.8%	7,980	\$61,060	\$132,110	\$167,630
Future	19-2042	Geoscientists	BD	1,340	1,470	9.7%	165	\$57,360	\$107,130	\$132,010
Future	27-1024	Graphic Designers	BD	11,390	11,630	2.1%	1,171	\$32,860	\$53,630	\$64,020
Future	21-1091	Health Education Specialists	BD	2,220	2,440	9.9%	285	\$37,670	\$60,140	\$71,380
Future	25-1071	Health Specialties Teachers, Postsecondary	PhD	7,540	9,230	22.4%	863	\$45,870	\$99,200	\$125,860
Future	21-1022	Healthcare Social Workers	MD+	7,970	9,340	17.2%	983	\$39,950	\$54,920	\$62,410
Future	13-1071	Human Resources Specialists	BD	24,920	26,450	6.1%	2,730	\$43,020	\$67,790	\$80,180
Future	17-2112	Industrial Engineers	BD	9,390	10,290	9.6%	762	\$60,600	\$84,130	\$95,900
Future	15-1122	Information Security Analysts	BD+	3,010	3,820	26.9%	325	\$67,050	\$101,390	\$118,560
Future	25-9031	Instructional Coordinators	MD+	5,750	6,210	8.0%	602	\$46,610	\$74,330	\$88,200
Future	23-1011	Lawyers	PROF	31,760	33,690	6.1%	1,762	\$66,950	\$142,890	\$180,860
Future	13-2072	Loan Officers	BD	12,310	13,030	5.8%	1,133	\$40,640	\$74,870	\$91,980
Future	13-1111	Management Analysts	BD+	31,720	35,350	11.4%	3,521	\$56,590	\$91,000	\$108,210

## 2020 Pennsylvania In-Demand Occupations List

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Future	13-1161	Market Research Analysts & Marketing Specialists	BD	26,820	30,090	12.2%	3,237	\$38,650	\$69,710	\$85,240
Future	11-2021	Marketing Managers	BD+	7,990	8,580	7.4%	793	\$88,520	\$148,610	\$178,650
Future	21-1013	Marriage & Family Therapists	MD+	1,970	2,210	12.2%	238	\$42,940	\$62,140	\$71,730
Future	17-2141	Mechanical Engineers	BD	16,630	17,760	6.8%	1,276	\$59,060	\$85,100	\$98,120
Future	11-9111	Medical & Health Services Managers	BD+	14,890	17,820	19.7%	1,589	\$59,860	\$98,560	\$117,910
Future	19-1042	Medical Scientists	PhD	8,430	9,010	6.9%	835	\$63,540	\$113,490	\$138,470
Future	21-1023	Mental Health & Substance Abuse Social Workers	MD+	8,780	9,970	13.6%	1,034	\$28,720	\$38,710	\$43,710
Future	25-2022	Middle School Teachers	BD+	20,610	22,130	7.4%	1,728	\$44,180	\$69,330	\$81,910
Future	15-1142	Network & Computer Systems Administrators	BD	13,150	13,590	3.3%	978	\$55,560	\$80,250	\$92,590
Future	29-1151	Nurse Anesthetists	MD	2,280	2,620	14.9%	155	\$124,090	\$174,240	\$199,310
Future	29-1171	Nurse Practitioners	MD	6,500	8,220	26.5%	565	\$78,520	\$101,950	\$113,670
Future	25-1072	Nursing Instructors & Teachers, Postsecondary	PhD	4,010	4,890	21.9%	455	\$49,400	\$81,760	\$97,940
Future	29-1122	Occupational Therapists	MD	7,660	8,990	17.4%	601	\$62,470	\$83,120	\$93,450
Future	15-2031	Operations Research Analysts	BD	2,920	3,630	24.3%	282	\$55,490	\$86,110	\$101,410
Future	13-2052	Personal Financial Advisors	BD+	11,040	12,170	10.2%	990	\$47,530	\$104,330	\$132,730
Future	25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	1,300	1,420	9.2%	124	\$51,220	\$91,250	\$111,270
Future	29-1123	Physical Therapists	PhD	12,500	15,070	20.6%	831	\$64,360	\$88,450	\$100,500
Future	29-1071	Physician Assistants	MD	6,660	8,720	30.9%	643	\$74,190	\$102,620	\$116,830
Future	25-1065	Political Science Teachers, Postsecondary	PhD	920	990	7.6%	85	\$55,390	\$103,770	\$127,960
Future	29-1066	Psychiatrists	PROF	1,230	1,410	14.6%	57	\$92,240	\$208,550	\$266,710
Future	25-1066	Psychology Teachers, Postsecondary	PhD	2,150	2,410	12.1%	215	\$46,950	\$90,740	\$112,640
Future	27-3031	Public Relations Specialists	BD	9,170	9,800	6.9%	1,047	\$35,440	\$61,260	\$74,170
Future	29-1141	Registered Nurses	BD	151,750	170,720	12.5%	10,507	\$54,100	\$71,410	\$80,070
Future	21-1015	Rehabilitation Counselors	MD	8,110	8,790	8.4%	933	\$25,950	\$40,680	\$48,040
Future	11-2022	Sales Managers	BD+	8,850	9,330	5.4%	855	\$83,250	\$150,210	\$183,680
Future	41-4011	Sales Representatives, Technical & Scientific Products	BD+	13,710	14,200	3.6%	1,512	\$48,780	\$81,350	\$97,630
Future	25-2031	Secondary School Teachers	BD+	48,360	51,910	7.3%	3,868	\$46,540	\$66,920	\$77,110
Future	41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	12,850	13,640	6.1%	1,333	\$37,600	\$80,860	\$102,490
Future	11-9151	Social & Community Service Managers	BD+	9,340	10,250	9.7%	941	\$45,000	\$65,070	\$75,110
Future	15-1132	Software Developers, Applications	BD	29,510	35,790	21.3%	2,927	\$67,080	\$99,280	\$115,380
Future	15-1133	Software Developers, Systems Software	BD	9,130	9,930	8.8%	751	\$67,080	\$99,280	\$115,380
Future	43-9111	Statistical Assistants	BD	780	850	9.0%	108	\$34,040	\$50,740	\$59,080
Future	19-3022	Survey Researchers	MD	2,880	3,130	8.7%	370	\$29,430	\$55,030	\$67,830
Future	17-1022	Surveyors	BD+	1,750	1,900	8.6%	148	\$37,380	\$61,330	\$73,310
Future	27-3042	Technical Writers	BD+	2,000	2,150	7.5%	217	\$49,870	\$73,690	\$85,610
Future	11-3131	Training & Development Managers	BD+	1,010	1,090	7.9%	100	\$78,180	\$118,310	\$138,380
Future	13-1151	Training & Development Specialists	BD+	9,940	10,760	8.2%	1,191	\$40,510	\$65,090	\$77,380
Future	19-3051	Urban & Regional Planners	MD	1,460	1,610	10.3%	157	\$44,820	\$69,160	\$81,330
Future	29-1131	Veterinarians	PROF	3,360	3,960	17.9%	201	\$65,930	\$105,670	\$125,540

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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.