

Occupational Title	Employment*	Annual Openings**	Average Wage [†]	Training Requirement ^{††}
MANAGEMENT				
Construction Managers [‡]	10,270	340	\$38.25	Bachelor's Degree
First-Line Supervisors/Managers of Construction Trades & Extraction Workers [‡]	16,000	511	\$25.72	Related Work Experience
General & Operations Managers	3,560	112	\$42.12	Work Experience plus Degree
SALES AND OFFICE				
Bookkeeping, Accounting & Auditing Clerks	4,910	92	\$13.80	Moderate-Term OJT
Cost Estimators	5,570	214	\$24.11	Related Work Experience
Office Clerks, General	4,510	127	\$11.14	Short-Term OJT
Sales Representatives, Wholesale & Manufacturing, except Technical & Scientific Products	3,660	154	\$26.29	Moderate-Term OJT
Secretaries, except Legal, Medical & Executive	5,960	114	\$12.58	Moderate-Term OJT
SKILLED TRADES				
Brickmasons & Blockmasons [‡]	7,960	225	\$20.96	Long-Term OJT
Carpenters [‡]	35,270	943	\$17.64	Long-Term OJT
Cement Masons & Concrete Finishers [‡]	6,030	279	\$18.40	Moderate-Term OJT
Drywall & Ceiling Tile Installers [‡]	2,310	96	\$17.24	Moderate-Term OJT
Electricians [‡]	21,080	816	\$22.31	Long-Term OJT
Excavating & Loading Machine & Dragline Operators [‡]	2,180	78	\$17.01	Moderate-Term OJT
Heating, Air Conditioning & Refrigeration Mechanics & Installers	5,510	236	\$17.66	Long-Term OJT
Insulation Workers [‡]	1,960	82	\$17.35	Moderate-Term OJT
Maintenance & Repair Workers, General	1,920	56	\$15.83	Moderate-Term OJT
Operating Engineers & Other Construction Equipment Operators [‡]	7,650	271	\$20.68	Moderate-Term OJT
Painters, Construction & Maintenance [‡]	11,910	320	\$15.97	Moderate-Term OJT
Paving, Surfacing & Tamping Equipment Operators [‡]	1,440	41	\$18.05	Moderate-Term OJT
Pipelayers [‡]	1,270	49	\$17.36	Moderate-Term OJT
Plumbers, Pipefitters & Steamfitters [‡]	15,460	567	\$21.53	Long-Term OJT
Roofers [‡]	6,590	272	\$16.69	Moderate-Term OJT
Sheet Metal Workers	4,790	182	\$19.63	Moderate-Term OJT
Structural Iron & Steel Workers	2,700	88	\$23.24	Long-Term OJT
Telecommunications Line Installers & Repairers [‡]	1,500	64	\$17.86	Long-Term OJT
SUPPORT				
Construction Laborers [‡]	28,440	771	\$16.12	Moderate-Term OJT
Helpers--Brickmasons, Blockmasons, Stonemasons & Tile & Marble Setters	1,500	64	\$13.58	Short-Term OJT
Helpers--Carpenters	1,010	56	\$10.98	Short-Term OJT
Helpers--Electricians	2,010	108	\$11.52	Short-Term OJT
Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	1,910	90	\$12.07	Short-Term OJT
Truck Drivers, Heavy & Tractor-Trailer	3,290	100	\$17.33	Moderate-Term OJT
Truck Drivers, Light or Delivery Services	1,140	29	\$13.14	Short-Term OJT

* Employment data are specific to the construction industry for 2002.

[†] The 2004 average wage is for all workers employed in the occupation regardless of industry.

[‡] Includes Self-Employed. These occupations are concentrated in the construction industry.

** Annual openings estimated for construction employment only.

^{††} OJT is On-the-Job Training. Short-Term training is up to one month. Moderate training is one to twelve months combined experience/training. Long-Term training is twelve months or more combined experience/training.

Occupational Title	Employment*	Annual Openings**	Average Wage†	Training Requirement††
MANAGEMENT/PROFESSIONALS				
Accountants and Auditors	5,150	171	\$25.70	Bachelor's Degree
First-Line Supervisors/Managers of Production and Operating Workers	33,140	887	\$23.24	Related Work Experience
General and Operations Managers	11,910	373	\$42.12	Work Experience plus Degree
Industrial Engineers	8,950	280	\$31.10	Bachelor's Degree
Industrial Production Managers	7,950	182	\$36.09	Bachelor's Degree
Mechanical Engineers	8,580	234	\$31.21	Bachelor's Degree
Purchasing Agents, except Wholesale, Retail and Farm Products	5,210	166	\$24.04	Related Work Experience
PRODUCTION				
Coating, Painting and Spraying Machine Setters, Operators and Tenders	6,280	191	\$14.00	Moderate-Term OJT
Computer-Controlled Machine Tool Operators, Metal and Plastic	9,780	172	\$15.40	Moderate-Term OJT
Cutting, Punching, and Press Machine Setters, Operators and Tenders, Metal and Plastic	27,520	637	\$13.77	Moderate-Term OJT
Drilling and Boring Machine Tool Setters, Operators and Tenders, Metal and Plastic	5,400	158	\$17.18	Moderate-Term OJT
Electrical and Electronic Equipment Assemblers	7,990	189	\$12.63	Short-Term OJT
Extruding and Drawing Machine Setters, Operators and Tenders, Metal and Plastic	5,660	191	\$13.67	Moderate-Term OJT
Extruding, Forming, Pressing and Compacting Machine Setters, Operators and Tenders	5,320	140	\$15.60	Moderate-Term OJT
Grinding, Lapping, Polishing and Buffing Machine Tool Setters, Operators and Tenders, Metal and Plastic	6,920	132	\$14.87	Moderate-Term OJT
Industrial Machinery Mechanics	5,530	149	\$21.18	Long-Term OJT
Inspectors, Testers, Sorters, Samplers and Weighers	24,230	551	\$16.07	Moderate-Term OJT
Lathe and Turning Machine Tool Setters, Operators and Tenders, Metal and Plastic	8,620	165	\$16.21	Moderate-Term OJT
Machinists	22,980	575	\$16.84	Long-Term OJT
Maintenance Workers, Machinery	5,010	124	\$18.06	Short-Term OJT
Mixing and Blending Machine Setters, Operators and Tenders	6,730	176	\$15.62	Moderate-Term OJT
Molding, Coremaking and Casting Machine Setters, Operators and Tenders, Metal and Plastic	14,540	362	\$13.84	Moderate-Term OJT
Multiple Machine Tool Setters, Operators and Tenders, Metal and Plastic	7,570	208	\$17.84	Moderate-Term OJT
Packaging and Filling Machine Operators and Tenders	10,780	343	\$12.51	Short-Term OJT
Paper Goods Machine Setters, Operators and Tenders	5,650	120	\$14.33	Moderate-Term OJT
Printing Machine Operators	6,670	166	\$15.44	Moderate-Term OJT
Team Assemblers	66,040	1,707	\$14.02	Moderate-Term OJT
Tool and Die Makers	12,400	280	\$22.43	Long-Term OJT
Welders, Cutters, Solderers and Brazers	13,490	497	\$16.00	Long-Term OJT
SUPPORT				
Helpers--Production Workers	17,870	501	\$11.26	Short-Term OJT
Industrial Truck and Tractor Operators	16,300	397	\$14.19	Short-Term OJT
Machine Feeders and Offbearers	7,620	208	\$12.60	Short-Term OJT
Maintenance and Repair Workers, General	19,480	571	\$15.83	Moderate-Term OJT
Production, Planning, and Expediting Clerks	6,670	233	\$17.82	Short-Term OJT
Truck Drivers, Heavy and Tractor-Trailer	7,900	241	\$17.33	Moderate-Term OJT

* Employment data are specific to the manufacturing industry for 2002.

† The 2004 average wage is for all workers employed in the occupation regardless of industry.

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JOBS IN
HEALTH CARE

Occupational Title	Annual Employment*	Annual Openings**	Average Wage†	Training Requirement††
MANAGEMENT				
Medical and Health Services Managers	8,280	369	\$32.77	Work Experience plus Degree
PRACTITIONERS				
Dentists	6,040	131	\$83.33	First Professional Degree
Family and General Practitioners	5,900	177	\$75.46	First Professional Degree
Internists, General	3,270	102	\$82.14	First Professional Degree
Medical and Public Health Social Workers	3,930	158	\$18.53	Bachelor's Degree
Mental Health and Substance Abuse Social Workers	4,170	214	\$16.57	Master's Degree
Occupational Therapists	2,720	123	\$27.39	Bachelor's Degree
Pediatricians, General	2,540	75	\$67.97	First Professional Degree
Physical Therapists	4,360	164	\$30.03	Master's Degree
Physician Assistants	2,060	118	\$35.46	Bachelor's Degree
Registered Nurses	91,770	3,987	\$24.35	Associate/Bachelor's Degree
Respiratory Therapists	4,900	310	\$20.06	Associate Degree
Speech-Language Pathologists	2,000	94	\$25.36	Master's Degree
Surgeons	2,990	93	\$97.22	First Professional Degree
TECHNICAL				
Cardiovascular Technologists and Technicians	1,580	78	\$19.16	Associate Degree
Dental Hygienists	6,490	284	\$26.00	Associate Degree
Diagnostic Medical Sonographers	1,530	57	\$23.52	Associate Degree
Licensed Practical and Licensed Vocational Nurses	31,210	1,158	\$17.18	Postsecondary Vocational Training
Medical and Clinical Laboratory Technicians	4,880	194	\$14.44	Associate Degree
Medical and Clinical Laboratory Technologists	5,310	211	\$21.50	Bachelor's Degree
Nuclear Medicine Technologists	1,010	41	\$25.42	Associate Degree
Radiologic Technologists and Technicians	7,970	297	\$19.35	Associate Degree
Surgical Technologists	2,600	93	\$15.65	Postsecondary Vocational Training
SUPPORT				
Dental Assistants	9,540	598	\$13.66	Moderate-Term OJT
Home Health Aides	24,440	1,113	\$9.29	Short-Term OJT
Medical Assistants	15,630	1,108	\$11.43	Moderate-Term OJT
Medical Equipment Preparers	1,690	52	\$11.86	Short-Term OJT
Medical Records and Health Information Technicians	5,670	304	\$12.88	Associate Degree
Medical Secretaries	15,650	452	\$11.90	Postsecondary Vocational Training
Medical Transcriptionists	3,290	114	\$13.19	Postsecondary Vocational Training
Nursing Aides, Orderlies and Attendants	63,930	2,036	\$10.42	Short-Term OJT
Occupational Therapist Assistants	1,620	86	\$19.17	Associate Degree
Personal and Home Care Aides	9,300	424	\$8.59	Short-Term OJT
Physical Therapist Aides	1,050	55	\$11.75	Short-Term OJT
Physical Therapist Assistants	3,400	186	\$18.71	Associate Degree

* Employment data are specific to the health care industry for 2002. Self-Employed practitioners are included.

† The 2004 average wage is for all workers employed in the occupation regardless of industry.

** Annual openings estimated for the health care industry only.

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Bob Taft, Governor

Barbara Riley, Director

Occupational Title	Employment*	Annual Openings**	Average Wage†	Training Requirement††
MANAGEMENT				
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	1,520	51	\$15.52	Related Work Experience
First-Line Supervisors/Managers of Landscaping, Lawn Service and Groundskeeping Workers	1,670	41	\$18.51	Related Work Experience
First-Line Supervisors/Managers of Office and Administrative Support Workers	2,810	68	\$20.06	Related Work Experience
General and Operations Managers	3,140	98	\$42.12	Work Experience plus Degree
BUSINESS OCCUPATIONS				
Bill and Account Collectors	5,510	221	\$13.91	Short-Term OJT
Billing and Posting Clerks and Machine Operators	1,490	31	\$12.97	Moderate-Term OJT
Bookkeeping, Accounting and Auditing Clerks	3,400	64	\$13.80	Moderate-Term OJT
Customer Service Representatives	10,750	352	\$13.75	Moderate-Term OJT
Data Entry Keyers	3,590	85	\$11.43	Moderate-Term OJT
Employment, Recruitment and Placement Specialists	1,780	60	\$22.16	Bachelor's Degree
Executive Secretaries and Administrative Assistants	3,470	77	\$17.13	Moderate-Term OJT
Office Clerks, General	13,140	369	\$11.14	Short-Term OJT
Receptionists and Information Clerks	3,040	141	\$10.23	Short-Term OJT
Sales Representatives, Wholesale and Manufacturing, except Technical and Scientific Products	1,520	64	\$26.29	Moderate-Term OJT
Secretaries, Except Legal, Medical and Executive	4,790	92	\$12.58	Moderate-Term OJT
Stock Clerks and Order Fillers	2,020	75	\$10.61	Short-Term OJT
Switchboard Operators, including Answering Service	1,760	45	\$11.06	Short-Term OJT
Telemarketers	5,860	96	\$11.07	Short-Term OJT
Travel Agents	2,430	55	\$13.49	Postsecondary Vocational Training
Word Processors and Typists	2,060	45	\$12.85	Moderate-Term OJT
MAINTENANCE and SUPPORT				
Inspectors, Testers, Sorters, Samplers and Weighers	3,510	80	\$16.07	Moderate-Term OJT
Janitors and Cleaners, except Maids and Housekeeping Cleaners	27,450	830	\$10.47	Short-Term OJT
Laborers and Freight, Stock and Material Movers, Hand	28,970	951	\$11.20	Short-Term OJT
Landscaping and Groundskeeping Workers	15,000	564	\$10.67	Short-Term OJT
Maids and Housekeeping Cleaners	3,650	108	\$8.50	Short-Term OJT
Packers and Packers, Hand	8,820	244	\$9.51	Short-Term OJT
Security and Fire Alarm Systems Installers	1,000	31	\$15.40	Postsecondary Vocational Training
Security Guards	17,720	582	\$10.72	Short-Term OJT
Team Assemblers	6,640	172	\$14.02	Moderate-Term OJT
Tree Trimmers and Pruners	1,690	58	\$13.20	Short-Term OJT
Truck Drivers, Heavy and Tractor-Trailer	4,360	133	\$17.33	Moderate-Term OJT

* Employment data are specific to the business administrative and support services industry for 2002.

† The 2004 average wage is for all workers employed in the occupation regardless of industry.

** Annual openings estimated for the business administrative and support services industry only.

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Occupational Title	Employment*	Annual Openings**	Average Wage [†]	Training Requirement ^{††}
MANAGEMENT				
First-Line Supervisors/Managers of Helpers, Laborers and Material Movers, Hand	2,150	74	\$19.78	Related Work Experience
First-Line Supervisors/Managers of Mechanics, Installers and Repairers	1,130	40	\$24.45	Related Work Experience
First-Line Supervisors/Managers of Office and Administrative Support Workers	1,250	30	\$20.06	Related Work Experience
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	3,010	90	\$22.11	Related Work Experience
General and Operations Managers	2,140	67	\$42.12	Work Experience plus Degree
Transportation, Storage and Distribution Managers	1,130	41	\$32.74	Related Work Experience
OPERATORS				
Airline Pilots, Copilots and Flight Engineers	1,870	51	\$140,300 [‡]	Bachelor's Degree
Bus Drivers, School	2,140	66	\$11.52	Short-Term OJT
Bus Drivers, Transit and Intercity	1,390	41	\$13.76	Moderate-Term OJT
Conveyor Operators and Tenders	1,740	71	\$14.25	Short-Term OJT
Industrial Truck and Tractor Operators	5,410	132	\$14.19	Short-Term OJT
Locomotive Engineers	1,620	48	\$17.53	Related Work Experience
Railroad Conductors and Yardmasters	1,020	27	\$18.80	Related Work Experience
Taxi Drivers and Chauffeurs	1,520	40	\$9.39	Short-Term OJT
Truck Drivers, Heavy and Tractor-Trailer	50,030	1,524	\$17.33	Moderate-Term OJT
Truck Drivers, Light or Delivery Services	12,540	321	\$13.14	Short-Term OJT
SUPPORT				
Aircraft Mechanics and Service Technicians	3,210	123	\$21.51	Postsecondary Vocational Training
Bus & Truck Mechanics, and Diesel Engine Specialists	3,430	114	\$17.49	Postsecondary Vocational Training
Cargo and Freight Agents	1,830	53	\$16.62	Moderate-Term OJT
Dispatchers, except Police, Fire and Ambulance	2,490	71	\$15.45	Moderate-Term OJT
Flight Attendants	1,260	29	\$56,801 [‡]	Long-Term OJT
Laborers and Freight, Stock and Material Movers, Hand	19,650	645	\$11.20	Short-Term OJT
Maintenance and Repair Workers, General	1,200	35	\$15.83	Moderate-Term OJT
Packers and Packagers, Hand	2,030	56	\$9.51	Short-Term OJT
Reservation and Transportation Ticket Agents, and Travel Clerks	4,940	159	\$14.62	Short-Term OJT
OFFICE/CLERICAL				
Billing and Posting Clerks, and Machine Operators	1,000	21	\$12.97	Moderate-Term OJT
Bookkeeping, Accounting and Auditing Clerks	1,740	33	\$13.80	Moderate-Term OJT
Customer Service Representatives	2,460	80	\$13.75	Moderate-Term OJT
Office Clerks, General	2,790	78	\$11.14	Short-Term OJT
Secretaries, except Legal, Medical and Executive	1,270	24	\$12.58	Moderate-Term OJT
Shipping, Receiving and Traffic Clerks	2,170	45	\$12.85	Short-Term OJT
Stock Clerks and Order Fillers	1,100	41	\$10.61	Short-Term OJT

* Employment data are specific to the transportation and warehousing industry for 2002. Self-employed truck drivers are included.

[†] The 2004 average wage is for all workers employed in the occupation regardless of industry.

[‡] Average Annual Salary

** Annual openings estimated for the transportation & warehousing industry only.

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TECHNOLOGY PROFESSIONALS				
Chemists	3,420	134	\$27.60	Bachelor's Degree
Computer and Information Systems Managers	9,340	462	\$42.00	Work Experience plus Degree
Computer Programmers	16,760	531	\$28.50	Bachelor's Degree
Computer Software Engineers, Applications	12,740	602	\$33.61	Bachelor's Degree
Computer Software Engineers, Systems Software	7,540	402	\$34.69	Bachelor's Degree
Computer Support Specialists	17,030	607	\$21.24	Associate Degree
Computer Systems Analysts	14,400	589	\$31.31	Bachelor's Degree
Database Administrators	5,310	280	\$30.52	Bachelor's Degree
Engineering Managers	8,010	197	\$44.59	Work Experience plus Degree
Network and Computer Systems Administrators	10,540	450	\$27.62	Bachelor's Degree
Network Systems and Data Communications Analysts	4,860	287	\$30.02	Bachelor's Degree
Operations Research Analysts	1,460	43	\$28.52	Master's Degree
ENGINEERS				
Aerospace Engineers	1,770	51	\$39.42	Bachelor's Degree
Chemical Engineers	2,100	69	\$35.27	Bachelor's Degree
Civil Engineers	5,510	152	\$29.50	Bachelor's Degree
Computer Hardware Engineers	1,250	24	\$30.88	Bachelor's Degree
Electrical Engineers	4,820	96	\$32.08	Bachelor's Degree
Electronics Engineers, except Computer	5,320	124	\$35.85	Bachelor's Degree
Environmental Engineers	1,360	82	\$32.18	Bachelor's Degree
Industrial Engineers	10,670	334	\$31.10	Bachelor's Degree
Materials Engineers	1,830	51	\$34.75	Bachelor's Degree
Mechanical Engineers	14,350	392	\$31.21	Bachelor's Degree
DRAFTERS and TECHNICIANS				
Architectural and Civil Drafters	3,070	112	\$17.98	Postsecondary Vocational Training
Biological Technicians	1,290	46	\$16.93	Associate Degree
Chemical Technicians	3,110	95	\$17.72	Associate Degree
Civil Engineering Technicians	2,950	90	\$19.39	Associate Degree
Computer-Controlled Machine Tool Operators, Metal and Plastic	9,790	172	\$15.40	Moderate-Term OJT
Electrical & Electronic Engineering Technicians	5,860	171	\$22.14	Associate Degree
Electrical and Electronics Drafters	1,690	48	\$20.94	Postsecondary Vocational Training
Environmental Scientists and Specialists, including Health	2,450	89	\$26.34	Master's Degree
Industrial Engineering Technicians	3,410	91	\$21.23	Associate Degree
Mechanical Drafters	4,070	115	\$21.22	Postsecondary Vocational Training
Mechanical Engineering Technicians	3,700	99	\$19.78	Associate Degree
Surveying and Mapping Technicians	2,110	142	\$15.81	Moderate-Term OJT
COMPUTER SUPPORT				
Computer Operators	7,580	161	\$14.69	Moderate-Term OJT
Computer, Automated Teller and Office Machine Repairers	4,920	106	\$16.96	Postsecondary Vocational Training
Data Entry Keyers	14,710	347	\$11.43	Moderate-Term OJT

* Employment data cover all industries for 2002.

† The 2004 average wage is for all workers employed in the occupation regardless of industry.

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