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Arizona Department
of Administration

Office of Employment
and Population Statistics



The source for labor market and demographic information

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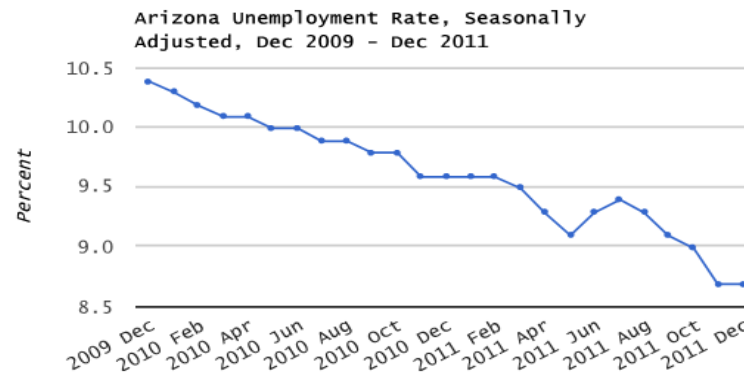
The Research Administration at the Arizona Dept of Commerce is now the Office of Employment and Population Statistics. We have a new name and a new web address, but the same data. We apologize for any inconvenience you may experience during this transition time. Contact us by phone or email if you need any assistance finding data or have any feedback on our new site.

Phone: 602-771-2222

Email for labor related questions: labor.info@azstats.gov

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This website provides a wide variety of labor market and demographic information for Arizona, including: local area employment and unemployment statistics; occupation and industry employment estimates and projections; wage survey data; population data; and more.



Source: Office of Employment & Population Statistics in cooperation with U.S. Bureau of Labor Statistics

Arizona Workforce Employment Report

DECEMBER EMPLOYMENT REPORT

[Below Average Job Gains in Private Sector;](#)
[Above Average Losses in Government](#)
(PDF)

January 19, 2012

FORECAST UPDATE REPORT

[Slow Employment Growth Expected in 2011, Moderate Gains in 2012](#) (PDF)

October 6, 2011

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Fast Growing Occupations in Arizona '08-'18 (sample short list)

Handout # 2

Occupation Title Standard Occupation Classification	% Job Growth	# Job Openings	2009 Avg Annual \$	Education and Training Requirements
Biomedical Engineers	54.8%	182	\$92,247	Bachelor's degree
Credit Authorizers, Checkers, and Clerks	52.0%	5,689	\$25,072	Short-term on-the-job training
Athletic Trainers	44.3%	156	\$39,144	Bachelor's degree
Network Systems and Data Communications Analysts	40.6%	2,686	\$68,997	Bachelor's degree
Home Health Aides	38.9%	8,786	\$21,715	Short-term on-the-job training
Medical Scientists, Except Epidemiologists	37.8%	511	\$71,030	Doctoral degree
Electrical and Electronics Repairers, Powerhouse, Substation,	37.1%	95	\$71,415	Postsecondary vocational training
Radiation Therapists	34.7%	323	\$66,571	Associate degree
Physician Assistants	33.9%	674	\$84,457	Master's degree
Dental Hygienists	32.4%	1,422	\$73,998	Associate degree
Pharmacy Technicians	32.2%	4,416	\$30,098	Moderate-term on-the-job training
Surgical Technologists	31.4%	884	\$43,664	Postsecondary vocational training
Dental Assistants	31.1%	3,148	\$35,019	Moderate-term on-the-job training
Financial Examiners	30.9%	244	\$57,587	Bachelor's degree
Cardiovascular Technologists and Technicians	29.2%	428	\$44,555	Associate degree
Physical Therapist Aides	28.1%	388	\$24,950	Short-term on-the-job training
Personal and Home Care Aides	27.5%	5,328	\$21,680	Short-term on-the-job training
Biochemists and Biophysicists	27.5%	48	\$53,414	Doctoral degree
Medical Assistants	27.1%	4,834	\$30,069	Moderate-term on-the-job training
Physical Therapist Assistants	25.8%	356	\$43,718	Associate degree
Respiratory Therapists	24.8%	1,048	\$46,689	Associate degree
Registered Nurses	23.5%	16,580	\$67,130	Associate degree
Physical Therapists	23.2%	1,034	\$72,552	Master's degree
Medical Equipment Repairers	23.1%	420	\$45,912	Associate degree
Nuclear Technicians	23.1%	83	\$78,030	Associate degree
Veterinary Technologists and Technicians	22.9%	978	\$27,236	Associate degree
Power Distributors and Dispatchers	22.8%	126	\$65,030	Long-term on-the-job training
Self-Enrichment Education Teachers	22.8%	1,138	\$31,787	Work experience in a related
Occupational Therapist Assistants	22.6%	79	\$49,042	Associate degree
Veterinarians	22.4%	724	\$77,804	First professional degree
Compliance Officers, Except Agriculture, Construction, Health	22.3%	2,100	\$51,191	Long-term on-the-job training
Medical Secretaries	21.9%	2,875	\$31,018	Moderate-term on-the-job training
Coaches and Scouts	21.1%	1,322	\$31,322	Long-term on-the-job training
Pharmacists	21.0%	2,122	\$106,873	First professional degree
Combined Food Preparation and Serving Workers, Including	20.4%	18,302	\$18,418	Short-term on-the-job training
Nuclear Engineers	20.4%	302	\$90,359	Bachelor's degree
Gaming Dealers	20.4%	1,772	\$19,717	Postsecondary vocational training
Fitness Trainers and Aerobics Instructors	20.3%	2,351	\$34,883	Postsecondary vocational training
Personal Financial Advisors	20.2%	1,065	\$59,523	Bachelor's degree
Funeral Attendants	20.1%	283	\$31,775	Short-term on-the-job training
Septic Tank Servicers and Sewer Pipe Cleaners	19.8%	152	\$33,446	Moderate-term on-the-job training
Compensation, Benefits, and Job Analysis Specialists	19.8%	1,259	\$53,907	Bachelor's degree
Emergency Medical Technicians and Paramedics	19.3%	1,497	\$30,024	Postsecondary vocational training
Art, Drama, and Music Teachers, Postsecondary	19.3%	399	\$48,919	Doctoral degree
Pediatricians, General	19.3%	207	\$156,362	First professional degree
Cooks, All Other	19.2%	224	\$23,326	Moderate-term on-the-job training
Obstetricians and Gynecologists	19.0%	133	\$208,978	First professional degree
Diagnostic Medical Sonographers	18.9%	295	\$67,941	Associate degree
Vocational Education Teachers, Postsecondary	18.9%	737	\$60,803	Doctoral degree
Surgeons	18.6%	302	\$197,669	First professional degree
Medical and Clinical Laboratory Technicians	18.4%	973	\$38,209	Associate degree
Internists, General	18.2%	466	\$176,638	First professional degree
Anesthesiologists	18.0%	421	\$226,020	First professional degree
Cargo and Freight Agents	18.0%	243	\$43,632	Moderate-term on-the-job training
Nuclear Medicine Technologists	18.0%	137	\$72,329	Associate degree
Training and Development Specialists	17.8%	2,764	\$53,661	Bachelor's degree
Employment, Recruitment, and Placement Specialists	17.7%	2,080	\$51,014	Bachelor's degree

Occupation Title Standard Occupation Classification	% Job Growth	# Job Openings	2009 Avg Annual \$	Education and Training Requirements
Instructional Coordinators	17.6%	1,820	\$48,440	Master's degree
Survey Researchers	17.5%	68	\$53,940	Bachelor's degree
Healthcare Practitioners and Technical Workers, All Other	17.5%	701	\$35,824	Bachelor's degree
Radiologic Technologists and Technicians	17.5%	1,598	\$52,510	Associate degree
Licensed Practical and Licensed Vocational Nurses	17.5%	5,181	\$45,652	Postsecondary vocational training
Family and General Practitioners	17.4%	597	\$158,987	First professional degree
Nursing Aides, Orderlies, and Attendants	17.3%	5,280	\$25,296	Postsecondary vocational training
Occupational Therapist Aides	17.1%	46	\$28,209	Short-term on-the-job training
Museum Technicians and Conservators	17.1%	71	\$39,680	Bachelor's degree
Medical Equipment Preparers	17.1%	197	\$28,125	Short-term on-the-job training
Electronic Home Entertainment Equipment Installers and	17.0%	376	\$36,812	Postsecondary vocational training
Medical and Clinical Laboratory Technologists	17.0%	1,438	\$48,957	Bachelor's degree
Paralegals and Legal Assistants	16.9%	1,502	\$47,551	Associate degree
Psychiatrists	16.9%	106	\$179,860	First professional degree
Occupational Therapists	16.7%	588	\$64,953	Master's degree
Bill and Account Collectors	16.6%	5,468	\$32,169	Short-term on-the-job training
Medical Records and Health Information Technicians	16.6%	1,730	\$33,590	Associate degree
Environmental Science Teachers, Postsecondary	16.5%	115	\$54,169	Doctoral degree
Physics Teachers, Postsecondary	16.4%	47	\$86,979	Doctoral degree
Market Research Analysts	16.3%	1,993	\$60,629	Bachelor's degree
Medical and Public Health Social Workers	16.3%	977	\$42,100	Bachelor's degree
Postal Service Mail Carriers	16.3%	2,669	\$48,965	Short-term on-the-job training
Health Specialties Teachers, Postsecondary	16.2%	672	\$125,346	Doctoral degree
Telephone Operators	16.2%	33	\$29,382	Short-term on-the-job training
Graduate Teaching Assistants	15.9%	1,744	\$32,479	Doctoral degree
Atmospheric, Earth, Marine, and Space Sciences Teachers,	15.6%	74	\$89,686	Doctoral degree
Detectives and Criminal Investigators	15.3%	1,973	\$57,227	Work experience in a related
Customer Service Representatives	15.3%	30,306	\$32,134	Moderate-term on-the-job training
Dishwashers	15.2%	6,914	\$18,204	Short-term on-the-job training
Computer Software Engineers, Applications	15.1%	1,705	\$84,682	Bachelor's degree
Chemistry Teachers, Postsecondary	15.1%	101	\$83,873	Doctoral degree
Social and Human Service Assistants	15.1%	1,940	\$29,138	Moderate-term on-the-job training
Credit Analysts	15.0%	1,603	\$54,711	Bachelor's degree
Interviewers, Except Eligibility and Loan	15.0%	1,531	\$26,950	Short-term on-the-job training
Industrial Engineering Technicians	15.0%	455	\$43,320	Associate degree
Business Teachers, Postsecondary	14.9%	673	\$104,338	Doctoral degree
Substance Abuse and Behavioral Disorder Counselors	14.9%	328	\$42,313	Bachelor's degree
Preschool Teachers, Except Special Education	14.8%	3,243	\$25,442	Postsecondary vocational training
Anthropology and Archeology Teachers, Postsecondary	14.7%	48	\$69,055	Doctoral degree
Special Education Teachers, Preschool, Kindergarten, and	14.6%	1,265	\$40,948	Bachelor's degree
Area, Ethnic, and Cultural Studies Teachers, Postsecondary	14.6%	105	\$64,414	Doctoral degree
Medical and Health Services Managers	14.5%	2,236	\$78,743	Bachelor's or higher degree, plus
Health Educators	14.4%	536	\$43,743	Bachelor's degree
Computer Software Engineers, Systems Software	14.4%	1,583	\$84,067	Bachelor's degree
Social Scientists and Related Workers, All Other	14.4%	319	\$64,102	Master's degree
Astronomers	14.2%	57	\$81,060	Doctoral degree
Physicians and Surgeons, All Other	14.2%	1,502	\$185,150	First professional degree
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	14.1%	590	\$37,914	Moderate-term on-the-job training
Psychology Teachers, Postsecondary	14.1%	76	\$64,489	Doctoral degree
Communications Teachers, Postsecondary	14.0%	159	\$61,034	Doctoral degree
Foreign Language and Literature Teachers, Postsecondary	14.0%	121	\$66,187	Doctoral degree
Accountants and Auditors	13.9%	8,718	\$58,502	Bachelor's degree

The numbers presented should be viewed as indicators of relative magnitude & probable direction rather than absolute measures. Projected job openings include jobs from growth plus openings created from separations (workers leaving an occupation). Prepared by Az Dept of Commerce with US Dept of Labor, Bureau of Labor Statistics. www.workforce.az.gov

Arizona Occupations With The Most Openings '08-'18 (sample short list)

Handout # 3

Occupation Title Standard Occupation Classification	# Job Openings	% Job Growth	2009 Avg Annual \$	Education and Training Requirements
Cashiers	33,238	8.4%	\$20,900	Short-term on-the-job training
Waiters and Waitresses	32,938	10.4%	\$21,450	Short-term on-the-job training
Retail Salespersons	32,384	9.5%	\$25,469	Short-term on-the-job training
Customer Service Representatives	30,306	15.3%	\$32,134	Moderate-term on-the-job training
Combined Food Preparation and Serving Workers, Including Fast Food	18,302	20.4%	\$18,418	Short-term on-the-job training
Registered Nurses	16,580	23.5%	\$67,130	Associate degree
Stock Clerks and Order Fillers	14,599	12.5%	\$22,435	Short-term on-the-job training
Laborers and Freight, Stock, and Material Movers, Hand	12,899	-3.8%	\$24,350	Short-term on-the-job training
Office Clerks, General	12,461	7.0%	\$28,508	Short-term on-the-job training
General and Operations Managers	12,430	-5.1%	\$104,487	Bachelor's or higher degree, plus work experience
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	10,865	8.8%	\$18,098	Short-term on-the-job training
Secondary School Teachers, Except Special and Vocational Education	10,805	5.2%	\$43,669	Bachelor's degree
First-Line Supervisors/Managers of Retail Sales Workers	9,048	3.2%	\$40,603	Work experience in a related occupation
Sales Representatives, Wholesale and Manufacturing, Except Technical	8,896	4.5%	\$58,004	Work experience in a related occupation
Home Health Aides	8,786	38.9%	\$21,715	Short-term on-the-job training
Accountants and Auditors	8,718	13.9%	\$58,502	Bachelor's degree
Security Guards	8,608	12.7%	\$24,654	Short-term on-the-job training
First-Line Supervisors/Managers of Office and Administrative Support Workers	8,375	6.1%	\$50,309	Work experience in a related occupation
Landscaping and Groundskeeping Workers	8,366	9.4%	\$23,165	Short-term on-the-job training
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	7,999	-1.5%	\$22,023	Short-term on-the-job training
Elementary School Teachers, Except Special Education	7,938	12.0%	\$42,446	Bachelor's degree
Receptionists and Information Clerks	7,491	5.6%	\$26,767	Short-term on-the-job training
Dishwashers	6,914	15.2%	\$18,204	Short-term on-the-job training
Food Preparation Workers	6,848	8.1%	\$22,097	Short-term on-the-job training
Cooks, Restaurant	6,716	10.0%	\$22,181	Long-term on-the-job training
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	6,526	10.6%	\$18,672	Short-term on-the-job training
Maintenance and Repair Workers, General	6,461	6.7%	\$35,540	Moderate-term on-the-job training
Executive Secretaries and Administrative Assistants	6,390	5.0%	\$38,963	Work experience in a related occupation
Shipping, Receiving, and Traffic Clerks	6,207	1.5%	\$25,481	Short-term on-the-job training
Truck Drivers, Heavy and Tractor-Trailer	5,920	4.6%	\$39,783	Short-term on-the-job training
Bookkeeping, Accounting, and Auditing Clerks	5,875	4.0%	\$35,496	Moderate-term on-the-job training
Cooks, Fast Food	5,762	12.3%	\$18,406	Short-term on-the-job training
Credit Authorizers, Checkers, and Clerks	5,689	52.0%	\$25,072	Short-term on-the-job training
Bill and Account Collectors	5,468	16.6%	\$32,169	Short-term on-the-job training
Teacher Assistants	5,434	5.3%	\$23,437	Short-term on-the-job training
Carpenters	5,330	-3.0%	\$38,346	Long-term on-the-job training
Personal and Home Care Aides	5,328	27.5%	\$21,680	Short-term on-the-job training
Nursing Aides, Orderlies, and Attendants	5,280	17.3%	\$25,296	Postsecondary vocational training
Licensed Practical and Licensed Vocational Nurses	5,181	17.5%	\$45,652	Postsecondary vocational training
Dining Room and Cafeteria Attendants and Bartender Helpers	5,150	8.2%	\$18,365	Short-term on-the-job training
Child Care Workers	4,949	5.4%	\$19,966	Short-term on-the-job training
Medical Assistants	4,834	27.1%	\$30,069	Moderate-term on-the-job training
Tellers	4,809	2.6%	\$25,623	Short-term on-the-job training
Secretaries, Except Legal, Medical, and Executive	4,626	-3.9%	\$30,945	Moderate-term on-the-job training
Pharmacy Technicians	4,416	32.2%	\$30,098	Moderate-term on-the-job training
Bartenders	4,339	10.8%	\$21,172	Short-term on-the-job training
Team Assemblers	4,132	-1.6%	\$25,644	Moderate-term on-the-job training
Maids and Housekeeping Cleaners	3,948	-3.3%	\$19,795	Short-term on-the-job training
Truck Drivers, Light or Delivery Services	3,857	4.0%	\$31,979	Short-term on-the-job training
Business Operations Specialists, All Other	3,853	4.8%	\$63,495	Bachelor's degree
Computer Support Specialists	3,685	1.0%	\$48,402	Associate degree
Management Analysts	3,621	4.5%	\$71,346	Bachelor's or higher degree, plus work experience
Police and Sheriff's Patrol Officers	3,619	1.0%	\$58,451	Long-term on-the-job training
Electricians	3,538	-15.9%	\$44,314	Long-term on-the-job training
Managers, All Other	3,490	0.2%	\$82,057	Work experience in a related occupation

Occupation Title Standard Occupation Classification	# Job Openings	% Job Growth	2009 Avg Annual \$	Education and Training Requirements
Automotive Service Technicians and Mechanics	3,367	2.0%	\$38,007	Postsecondary vocational training
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	3,332	1.2%	\$18,098	Short-term on-the-job training
Fire Fighters	3,289	10.7%	\$42,924	Long-term on-the-job training
Telemarketers	3,285	-7.0%	\$24,139	Short-term on-the-job training
Preschool Teachers, Except Special Education	3,243	14.8%	\$25,442	Postsecondary vocational training
Dental Assistants	3,148	31.1%	\$35,019	Moderate-term on-the-job training
Sales Managers	2,981	12.1%	\$92,832	Bachelor's or higher degree, plus work experience
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2,945	6.1%	\$71,451	Work experience in a related occupation
First-Line Supervisors/Managers of Food Preparation and Serving Workers	2,895	10.1%	\$33,503	Work experience in a related occupation
Medical Secretaries	2,875	21.9%	\$31,018	Moderate-term on-the-job training
Purchasing Agents, Except Wholesale, Retail, and Farm Products	2,809	11.4%	\$53,640	Long-term on-the-job training
Lawyers	2,786	4.8%	\$112,872	First professional degree
Training and Development Specialists	2,764	17.8%	\$53,661	Bachelor's degree
Computer Systems Analysts	2,742	5.1%	\$84,689	Bachelor's degree
Network Systems and Data Communications Analysts	2,686	40.6%	\$68,997	Bachelor's degree
Postal Service Mail Carriers	2,669	16.3%	\$48,965	Short-term on-the-job training
Correctional Officers and Jailers	2,666	0.6%	\$38,929	Moderate-term on-the-job training
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	2,554	-7.8%	\$60,874	Work experience in a related occupation
Billing and Posting Clerks and Machine Operators	2,446	8.9%	\$33,267	Short-term on-the-job training
Amusement and Recreation Attendants	2,399	6.9%	\$21,262	Short-term on-the-job training
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	2,399	-1.2%	\$60,118	Work experience in a related occupation
Fitness Trainers and Aerobics Instructors	2,351	20.3%	\$34,883	Postsecondary vocational training
Painters, Construction and Maintenance	2,334	-9.7%	\$32,205	Moderate-term on-the-job training
Middle School Teachers, Except Special and Vocational Education	2,297	11.5%	\$41,285	Bachelor's degree
Cleaners of Vehicles and Equipment	2,289	-2.5%	\$20,454	Short-term on-the-job training
Cement Masons and Concrete Finishers	2,238	-15.0%	\$36,466	Moderate-term on-the-job training
Medical and Health Services Managers	2,236	14.5%	\$78,743	Bachelor's or higher degree, plus work experience
Hotel, Motel, and Resort Desk Clerks	2,157	7.3%	\$22,135	Short-term on-the-job training
Construction Laborers	2,137	0.3%	\$30,074	Moderate-term on-the-job training
Counter and Rental Clerks	2,134	-1.7%	\$24,000	Short-term on-the-job training
Pharmacists	2,122	21.0%	\$106,873	First professional degree
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	2,100	22.3%	\$51,191	Long-term on-the-job training
Employment, Recruitment, and Placement Specialists	2,080	17.7%	\$51,014	Bachelor's degree
Packers and Packagers, Hand	2,051	-5.0%	\$21,376	Short-term on-the-job training
Operating Engineers and Other Construction Equipment Operators	2,013	-8.6%	\$44,977	Moderate-term on-the-job training
Market Research Analysts	1,993	16.3%	\$60,629	Bachelor's degree
Detectives and Criminal Investigators	1,973	15.3%	\$57,227	Work experience in a related occupation
Securities, Commodities, and Financial Services Sales Agents	1,943	2.1%	\$72,700	Bachelor's degree
Social and Human Service Assistants	1,940	15.1%	\$29,138	Moderate-term on-the-job training
Insurance Sales Agents	1,909	0.3%	\$50,495	Postsecondary vocational training
Plumbers, Pipefitters, and Steamfitters	1,908	-14.9%	\$41,157	Long-term on-the-job training
Industrial Truck and Tractor Operators	1,902	1.1%	\$30,278	Short-term on-the-job training
Food Service Managers	1,886	2.8%	\$48,217	Work experience in a related occupation
Loan Interviewers and Clerks	1,877	6.6%	\$37,255	Short-term on-the-job training
Educational, Vocational, and School Counselors	1,867	11.4%	\$45,190	Master's degree
Instructional Coordinators	1,820	17.6%	\$48,440	Master's degree
Reservation and Transportation Ticket Agents and Travel Clerks	1,820	13.0%	\$32,072	Short-term on-the-job training
Gaming Dealers	1,772	20.4%	\$19,717	Postsecondary vocational training
Driver/Sales Workers	1,767	6.7%	\$27,288	Short-term on-the-job training

The numbers presented should be viewed as indicators of relative magnitude & probable direction rather than absolute measures. Projected job openings include jobs from growth plus openings created from separations (workers leaving an occupation). Prepared by Az Dept of Commerce with US Dept of Labor, Bureau of Labor Statistics. www.workforce.az.gov

High Paying Occupations in Arizona with Projected Job Growth '08-'18 (sample short list)

Handout # 4

Occupation Title Standard Occupation Classification	2009 Avg Annual \$	# Job Openings	% Job Growth	Education and Training Requirements
Anesthesiologists	\$226,020	421	18.0%	First professional degree
Obstetricians and Gynecologists	\$208,978	133	19.0%	First professional degree
Surgeons	\$197,669	302	18.6%	First professional degree
Physicians and Surgeons, All Other	\$185,150	1,502	14.2%	First professional degree
Psychiatrists	\$179,860	106	16.9%	First professional degree
Internists, General	\$176,638	466	18.2%	First professional degree
Dentists, All Other Specialists	\$168,138	59	7.1%	First professional degree
Chief Executives	\$167,196	1,146	-8.0%	Bachelor's or higher degree, plus work
Dentists, General	\$160,405	1,083	10.5%	First professional degree
Family and General Practitioners	\$158,987	597	17.4%	First professional degree
Pediatricians, General	\$156,362	207	19.3%	First professional degree
Economists	\$150,606	95	-4.2%	Master's degree
Health Specialties Teachers, Postsecondary	\$125,346	672	16.2%	Doctoral degree
Podiatrists	\$124,416	91	0.2%	First professional degree
Optometrists	\$119,383	440	9.3%	First professional degree
Engineering Managers	\$118,140	1,073	1.6%	Bachelor's or higher degree, plus work experience
Economics Teachers, Postsecondary	\$117,261	28	12.9%	Doctoral degree
Lawyers	\$112,872	2,786	4.8%	First professional degree
Airline Pilots, Copilots, and Flight Engineers	\$111,600	1,179	-0.2%	Bachelor's degree
Pharmacists	\$106,873	2,122	21.0%	First professional degree
Computer and Information Systems Managers	\$106,218	960	5.8%	Bachelor's or higher degree, plus work experience
General and Operations Managers	\$104,487	12,430	-5.1%	Bachelor's or higher degree, plus work experience
Business Teachers, Postsecondary	\$104,338	673	14.9%	Doctoral degree
Computer and Information Scientists, Research	\$104,061	95	7.7%	Doctoral degree
Psychologists, All Other	\$101,095	81	7.0%	Master's degree
Natural Sciences Managers	\$95,694	278	6.8%	Bachelor's or higher degree, plus work experience
Artists and Related Workers, All Other	\$94,213	28	-1.6%	Long-term on-the-job training
Financial Managers	\$94,158	1,616	2.7%	Bachelor's or higher degree, plus work experience
Education Administrators, Postsecondary	\$93,813	899	2.6%	Bachelor's or higher degree, plus work experience
Electronics Engineers, Except Computer	\$93,205	1,065	-0.9%	Bachelor's degree
Sales Managers	\$92,832	2,981	12.1%	Bachelor's or higher degree, plus work experience
Biomedical Engineers	\$92,247	182	54.8%	Bachelor's degree
Construction Managers	\$91,928	864	0.2%	Bachelor's degree
Materials Scientists	\$90,509	66	9.7%	Bachelor's degree
Nuclear Engineers	\$90,359	302	20.4%	Bachelor's degree
Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	\$89,686	74	15.6%	Doctoral degree
Materials Engineers	\$88,556	264	8.1%	Bachelor's degree
Air Traffic Controllers	\$88,376	234	6.6%	Long-term on-the-job training
Electrical Engineers	\$88,359	1,087	-0.2%	Bachelor's degree
Industrial Production Managers	\$88,180	569	-7.6%	Work experience in a related occupation
Purchasing Managers	\$87,342	361	2.0%	Bachelor's or higher degree, plus work experience
Marketing Managers	\$87,150	905	5.8%	Bachelor's or higher degree, plus work
Aerospace Engineers	\$87,131	471	9.5%	Bachelor's degree
Physics Teachers, Postsecondary	\$86,979	47	16.4%	Doctoral degree
Administrative Law Judges, Adjudicators, and Hearing Officers	\$85,887	36	-1.6%	Bachelor's or higher degree, plus work experience
Compensation and Benefits Managers	\$85,788	195	9.9%	Bachelor's or higher degree, plus work experience
Industrial Engineers	\$84,986	1,658	13.6%	Bachelor's degree
Computer Systems Analysts	\$84,689	2,742	5.1%	Bachelor's degree
Computer Software Engineers, Applications	\$84,682	1,705	15.1%	Bachelor's degree

Occupation Title Standard Occupation Classification	2009 Avg Annual \$	# Job Openings	% Job Growth	Education and Training Requirements
Physician Assistants	\$84,457	674	33.9%	Master's degree
Human Resources Managers, All Other	\$84,359	337	6.5%	Bachelor's or higher degree, plus work experience
Computer Software Engineers, Systems Software	\$84,067	1,583	14.4%	Bachelor's degree
Chemistry Teachers, Postsecondary	\$83,873	101	15.1%	Doctoral degree
Engineers, All Other	\$82,896	499	1.2%	Bachelor's degree
Judges, Magistrate Judges, and Magistrates	\$82,710	142	-10.5%	Bachelor's or higher degree, plus work experience
Atmospheric and Space Scientists	\$82,111	39	-1.1%	Bachelor's degree
Managers, All Other	\$82,057	3,490	0.2%	Work experience in a related occupation
First-Line Supervisors/Managers of Police and Detectives	\$81,226	1,254	-0.3%	Work experience in a related occupation
Astronomers	\$81,060	57	14.2%	Doctoral degree
Advertising and Promotions Managers	\$80,143	261	-7.7%	Bachelor's or higher degree, plus work experience
Farm, Ranch, and Other Agricultural Managers	\$78,779	997	5.1%	Bachelor's or higher degree, plus work experience
Medical and Health Services Managers	\$78,743	2,236	14.5%	Bachelor's or higher degree, plus work experience
Nuclear Technicians	\$78,030	83	23.1%	Associate degree
Actuaries	\$77,958	125	12.9%	Bachelor's or higher degree, plus work experience
Veterinarians	\$77,804	724	22.4%	First professional degree
Life Scientists, All Other	\$77,788	141	11.4%	Bachelor's degree
Education Administrators, All Other	\$77,366	162	3.5%	Bachelor's or higher degree, plus work experience
Training and Development Managers	\$77,096	235	9.6%	Bachelor's or higher degree, plus work experience
Chemical Engineers	\$76,797	97	2.5%	Bachelor's degree
Public Relations Managers	\$76,395	347	5.6%	Bachelor's or higher degree, plus work experience
Education Administrators, Elementary and Secondary School	\$76,381	1,209	4.3%	Bachelor's or higher degree, plus work experience
Mechanical Engineers	\$76,333	1,347	2.7%	Bachelor's degree
Civil Engineers	\$76,258	1,178	11.7%	Bachelor's degree
Architects, Except Landscape and Naval	\$76,120	653	5.6%	Bachelor's degree
Biological Science Teachers, Postsecondary	\$75,459	185	12.5%	Doctoral degree
Physicists	\$75,344	90	10.3%	Doctoral degree
Physical Scientists, All Other	\$75,291	53	1.0%	Bachelor's degree
Dental Hygienists	\$73,998	1,422	32.4%	Associate degree
Computer Specialists, All Other	\$73,124	511	2.9%	Associate degree
Securities, Commodities, and Financial Services Sales Agents	\$72,700	1,943	2.1%	Bachelor's degree
Physical Therapists	\$72,552	1,034	23.2%	Master's degree
Nuclear Medicine Technologists	\$72,329	137	18.0%	Associate degree
First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$72,273	978	0.7%	Work experience in a related occupation
Computer Programmers	\$72,232	1,630	-12.7%	Bachelor's degree
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$72,059	80	-1.0%	Bachelor's degree
Designers, All Other	\$71,941	168	5.9%	Bachelor's degree
Sales Engineers	\$71,733	547	2.3%	Bachelor's degree
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$71,451	2,945	6.1%	Work experience in a related occupation
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	\$71,415	95	37.1%	Postsecondary vocational training
Management Analysts	\$71,346	3,621	4.5%	Bachelor's or higher degree, plus work experience
Environmental Engineers	\$71,300	202	6.7%	Bachelor's degree
Medical Scientists, Except Epidemiologists	\$71,030	511	37.8%	Doctoral degree
Sociology Teachers, Postsecondary	\$70,867	41	12.4%	Doctoral degree
Mining & Geological Engineers, Including Mining Safety Engineers	\$70,831	161	8.6%	Bachelor's degree

The numbers presented should be viewed as indicators of relative magnitude & probable direction rather than absolute measures. Projected job openings include jobs from growth plus openings created from separations (workers leaving an occupation). Prepared by Az Dept of Commerce with US Dept of Labor, Bureau of Labor Statistics. www.workforce.az.gov

TERM Ranking by Occupation 2008-'18

Handout # 5

TERM: Training & Education Resource Model

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1 (See notes page for detailed information)

Rank	SOC Code	Occupational Title	Openings	2009 Hourly Wage	O-NET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements*
1	29-1111	Registered Nurses	1,658	\$32.27	645	2.3	1.3	Associate Degree
2	15-1081	Network Systems and Data Communications Analysts	268	\$33.17	669	4.1	2.3	Bachelor's Degree
3	11-9111	Medical and Health Services Managers	224	\$37.86	707	1.4	0.8	Bachelor's Or Higher Deg. + Work Exp.
4	29-1051	Pharmacists	212	\$51.38	554	2.1	0.9	First Professional Degree
5	15-1032	Computer Software Engineers, Systems Software	158	\$40.42	647	1.4	1.7	Bachelor's Degree
6	15-1031	Computer Software Engineers, Applications	171	\$40.71	607	1.5	1.8	Bachelor's Degree
7	11-2022	Sales Managers	298	\$44.63	577	1.2	0.6	Bachelor's Or Higher Deg. + Work Exp.
8	29-1123	Physical Therapists	103	\$34.88	659	2.3	1.9	Master's Degree
9	17-2112	Industrial Engineers	166	\$40.86	638	1.4	0.5	Bachelor's Degree
10	29-2021	Dental Hygienists	142	\$35.58	585	3.2	1.6	Associate Degree
11	13-2011	Accountants and Auditors	872	\$28.13	582	1.4	0.8	Bachelor's Degree
12	29-1021	Dentists, General	109	\$77.12	777	1.1	0.4	First Professional Degree
13	17-2051	Civil Engineers	118	\$36.66	709	1.2	0.7	Bachelor's Degree
14	29-1062	Family and General Practitioners	60	\$76.44	672	1.7	1.0	First Professional Degree
15	25-1071	Health Specialties Teachers, Postsecondary	67	\$60.26	647	1.6	0.9	Doctoral Degree
16	29-1063	Internists, General	47	\$84.92	679	1.8	1.0	First Professional Degree
17	29-1061	Anesthesiologists	42	\$108.66	753	1.8	1.0	First Professional Degree
18	13-1111	Management Analysts	362	\$34.30	657	0.5	0.3	Bachelor's Or Higher Deg. + Work Exp.
19	15-1051	Computer Systems Analysts	274	\$40.72	619	0.5	0.2	Bachelor's Degree
20	23-1011	Lawyers	279	\$54.27	568	0.5	0.3	First Professional Degree
21	19-1042	Medical Scientists, Except Epidemiologists	51	\$34.15	697	3.8	1.9	Doctoral Degree
22	15-1071	Network and Computer Systems Administrators	153	\$31.91	697	0.8	0.5	Bachelor's Degree
23	13-1073	Training and Development Specialists	276	\$25.80	606	1.8	0.7	Bachelor's Degree
24	29-2061	Licensed Practical and Licensed Vocational Nurses	519	\$21.95	734	1.7	0.6	Postsecondary Vocational Training
25	25-1011	Business Teachers, Postsecondary	67	\$50.16	607	1.5	0.9	Doctoral Degree
26	29-1071	Physician Assistants	68	\$40.60	566	3.4	1.9	Master's Degree
27	33-3021	Detectives and Criminal Investigators	197	\$27.51	600	1.5	0.7	Work Experience In A Related Occ.
28	29-1067	Surgeons	31	\$95.03	773	1.9	1.1	First Professional Degree
29	11-1021	General and Operations Managers	1,243	\$50.23	659	-0.5	0.0	Bachelor's Or Higher Deg. + Work Exp.
30	29-2034	Radiologic Technologists and Technicians	159	\$25.25	624	1.7	1.2	Associate Degree
31	13-2051	Financial Analysts	150	\$32.13	559	1.3	0.7	Bachelor's Degree
32	11-3021	Computer and Information Systems Managers	96	\$51.07	638	0.6	0.4	Bachelor's Or Higher Deg. + Work Exp.

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1 (See notes page for detailed information)								
Rank	SOC Code	Occupational Title	Openings	2009 Hourly Wage	O-NET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements*
33	25-9031	Instructional Coordinators	182	\$23.29	647	1.8	0.8	Master's Degree
34	29-2011	Medical and Clinical Laboratory Technologists	144	\$23.54	685	1.7	0.9	Bachelor's Degree
35	19-3021	Market Research Analysts	199	\$29.15	517	1.6	0.6	Bachelor's Degree
36	17-2161	Nuclear Engineers	30	\$43.44	684	2.0	1.0	Bachelor's Degree
37	25-1194	Vocational Education Teachers, Postsecondary	73	\$29.23	636	1.9	1.1	Doctoral Degree
38	11-9041	Engineering Managers	108	\$56.80	692	0.2	0.1	Bachelor's Or Higher Deg. + Work Exp.
39	11-9032	Education Administrators, Elementary and Secondary School	121	\$36.72	675	0.4	0.1	Bachelor's Or Higher Deg. + Work Exp.
40	11-3031	Financial Managers	162	\$45.27	589	0.3	0.1	Bachelor's Or Higher Deg. + Work Exp.
41	13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Tr	210	\$24.61	493	2.2	2.1	Long-Term On-The-Job Training
42	11-2021	Marketing Managers	90	\$41.90	644	0.6	0.3	Bachelor's Or Higher Deg. + Work Exp.
43	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scienti	890	\$27.89	574	0.5	0.2	Work Experience In A Related Occ.
44	29-1122	Occupational Therapists	59	\$31.23	626	1.7	0.9	Master's Degree
45	29-1041	Optometrists	44	\$57.40	715	0.9	0.3	First Professional Degree
45	29-1126	Respiratory Therapists	104	\$22.45	692	2.5	1.4	Associate Degree
47	17-2141	Mechanical Engineers	135	\$36.70	649	0.3	0.1	Bachelor's Degree
48	13-1071	Employment, Recruitment, and Placement Specialists	208	\$24.53	543	1.8	0.7	Bachelor's Degree
49	17-2011	Aerospace Engineers	47	\$41.89	686	0.9	0.5	Bachelor's Degree
50	29-1124	Radiation Therapists	32	\$32.01	675	3.5	1.9	Associate Degree
51	25-2021	Elementary School Teachers, Except Special Education	794	\$20.41	611	1.2	0.5	Bachelor's Degree
52	13-2072	Loan Officers	161	\$31.13	471	0.9	0.8	Moderate-Term On-The-Job Training
53	33-3051	Police and Sheriff's Patrol Officers	362	\$28.10	650	0.1	0.0	Long-Term On-The-Job Training
54	13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	281	\$25.79	533	1.1	0.4	Long-Term On-The-Job Training
54	43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	838	\$24.19	573	0.6	0.3	Work Experience In A Related Occ.
56	41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Pro	294	\$34.35	414	0.6	0.3	Work Experience In A Related Occ.
57	41-9022	Real Estate Sales Agents	174	\$30.66	575	0.5	0.3	Postsecondary Vocational Training
58	33-2011	Fire Fighters	329	\$20.64	753	1.1	0.3	Long-Term On-The-Job Training
59	11-3011	Administrative Services Managers	169	\$28.32	577	0.8	0.4	Bachelor's Or Higher Deg. + Work Exp.
60	17-1011	Architects, Except Landscape and Naval	65	\$36.60	663	0.6	0.3	Bachelor's Degree

TERM (Training & Education Resource Model) Occupations Report

Column		Explanation
A	Rank	This is the rank of the occupation based on comparative scores in five areas, openings, wages, skills, growth rate, and turn over ratio as shown in columns D through H. Tie scores get tie ranks.
B	SOC Code	Standard Occupational Classification system. SOC is used by federal agencies collecting occupational data, providing a means to compare occupational data across agencies. It is designed to cover all occupations in which work is performed for pay or profit, reflecting the current occupational structure in the United States. For more info on SOC, see: http://www.bls.gov/soc/socguide.htm
C	SOC Title	The title of the occupation, as assigned by the Standard Occupational Classification system (SOC).
D	Openings	Average number of projected job openings (from growth + turnover) expected per year for the occupation. Projected openings based on revised 2008-2018 occupation projections. The employment forecast numbers presented should be viewed as indicators of relative magnitude and probable direction rather than absolute occupational demand. The occupational forecasts are only measures of expected employment and demand for labor and indicate little about future labor supply.
E	Hourly Wage	Based on the average of the wage of the occupation. Wages based on 2009 Occupational Employment Statistics (OES) survey. Hourly wages were calculated by dividing annual wages by 2080 hours (40 hours X 52 weeks).
F	O*NET Score	O*NET is an acronym for the Occupational Information Network (http://www.onetcenter.org/). This data is a measure of the skills, knowledge, and abilities required for the occupation. The numerical score for each comparative occupational descriptor in the O*NET Knowledge, Skills, and Abilities data files were summed for each occupation and then ranked by percentile.
G	Growth Rate	The ten-year projected rate of growth in employment of the occupation. This number could be negative, which indicates a net loss over the forecast period. Occupations with a negative change rate can still have opening from replacements. Occupational growth rate is from the 2008-2018 Occupational Projections produced by AZ Dept of Commerce Research.
H	Turnover Ratio	This is the projected number of annual openings due to growth divided by the projected number of annual openings due to replacement (like retirements, quits, promotions, etc.). Higher ratios indicate lower turnover. Based on the revised 2008-2018 occupational projections data.

I	Education / Training Requirements	The job training and educational levels as provided by Bureau of Labor Statistics (BLS) data. The training descriptions are provided as general guidelines and are not absolute requirements for employment.
Calculation method		
1	Hourly wages were calculated by dividing annual wages by 2080 hours (40 hours X 52 weeks).	
2	In this iteration of the TERM, there were no restrictions on the BLS Training and Educational code. Note that the lower the training and educational time requirement, the higher the code numbers (see below).	
3	Percentiles were calculated for each statistic shown. In case of a tie, the same percentile was assigned to all SOC's involved in the tie.	
4	The following formula determined the score for each SOC: $(3 \times \text{openings percentile} + 3 \times \text{wage percentile} + \text{O*NET percentile} + \text{growth percentile} + \text{turnover percentile}) / 9$	
Sources		
1	Openings and wage data are produced by the Arizona Department of Commerce, Research Administration, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics. Wages are from the 2009 Occupational Employment Statistics (OES) survey, and openings are from the 2008-2018 occupational employment projections.	
2	For the O*Net score, the O*Net database version 12.0 was used. (www.onetcenter.org/database.html)	
3	The education and training codes are from the Bureau of Labor Statistics (BLS) website at ftp://ftp.bls.gov/pub/special.requests/ep/optddata/optd0212.txt	
Questions and Comments		
Direct questions or comments to Rick Van Sickle, 602-771-1122, RickV@AZcommerce.com , or John Graeflin, 602-771-1223, JohnG@AZcommerce.com , at Research Administration, Az Dept of Commerce.		
December 2010		

Associate Degree Occupation Rankings 2008-'18

From the TERM (Training & Education Resource Model)

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1 (See notes page for detailed information)

Rank	SOC Code	Occupational Title	Openings	2009 Hourly Wage	O-NET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements*
1	29-1111	Registered Nurses	1,658	\$32.27	645	2.3	1.3	Associate Degree
10	29-2021	Dental Hygienists	142	\$35.58	585	3.2	1.6	Associate Degree
30	29-2034	Radiologic Technologists and Technicians	159	\$25.25	624	1.7	1.2	Associate Degree
45	29-1126	Respiratory Therapists	104	\$22.45	692	2.5	1.4	Associate Degree
50	29-1124	Radiation Therapists	32	\$32.01	675	3.5	1.9	Associate Degree
67	29-2032	Diagnostic Medical Sonographers	30	\$32.66	639	1.9	1.3	Associate Degree
75	23-2011	Paralegals and Legal Assistants	150	\$22.86	530	1.7	1.5	Associate Degree
86	29-2033	Nuclear Medicine Technologists	14	\$34.77	701	1.8	1.2	Associate Degree
95	29-2031	Cardiovascular Technologists and Technicians	43	\$21.42	657	2.9	2.0	Associate Degree
96	49-9062	Medical Equipment Repairers	42	\$22.07	712	2.3	0.8	Associate Degree
106	15-1041	Computer Support Specialists	368	\$23.27	575	0.1	0.0	Associate Degree
113	29-2012	Medical and Clinical Laboratory Technicians	98	\$18.37	627	1.8	1.0	Associate Degree
117	17-3022	Civil Engineering Technicians	61	\$23.34	590	1.2	0.6	Associate Degree
131	17-3026	Industrial Engineering Technicians	45	\$20.83	649	1.5	0.8	Associate Degree
136	31-2021	Physical Therapist Assistants	36	\$21.02	608	2.6	1.8	Associate Degree
155	17-3023	Electrical and Electronic Engineering Technicians	109	\$24.41	562	0.2	0.1	Associate Degree
158	29-2071	Medical Records and Health Information Technicians	174	\$16.15	516	1.7	0.8	Associate Degree
196	31-2011	Occupational Therapist Assistants	8	\$23.58	649	2.3	1.5	Associate Degree
209	43-6012	Legal Secretaries	95	\$19.25	484	0.7	0.5	Associate Degree
225	29-2056	Veterinary Technologists and Technicians	98	\$13.09	582	2.3	0.9	Associate Degree
237	11-9061	Funeral Directors	7	\$29.28	661	0.6	0.3	Associate Degree
279	27-1025	Interior Designers	43	\$23.36	609	-0.4	0.0	Associate Degree
287	17-3025	Environmental Engineering Technicians	13	\$20.63	642	0.9	0.5	Associate Degree
301	13-2021	Appraisers and Assessors of Real Estate	39	\$24.30	580	-0.6	0.0	Associate Degree
308	17-3027	Mechanical Engineering Technicians	15	\$23.40	683	0.0	0.0	Associate Degree
328	19-4091	Environmental Science and Protection Technicians	12	\$19.42	682	0.7	0.2	Associate Degree
335	19-4031	Chemical Technicians	23	\$20.59	595	0.1	0.1	Associate Degree
340	19-4093	Forest and Conservation Technicians	60	\$16.53	647	-0.2	0.0	Associate Degree
389	17-3024	Electro-Mechanical Technicians	8	\$21.05	488	0.5	0.3	Associate Degree
409	27-4012	Broadcast Technicians	17	\$18.94	633	-1.1	0.0	Associate Degree
415	19-4041	Geological and Petroleum Technicians	5	\$18.45	522	1.1	0.3	Associate Degree
424	15-2091	Mathematical Technicians	1	\$25.14	457	0.4	0.1	Associate Degree
454	27-1022	Fashion Designers	1	\$18.33	559	0.7	0.2	Associate Degree

*Training and educational levels as provided by Bureau of Labor Statistics (BLS) data. The training descriptions are provided as general guidelines and are not absolute requirements for employment.

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On The Job Training (OJT) Occupation Rankings 2008-'18

From the TERM (Training & Education Resource Model)

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1 (See notes page for detailed information)

Rank	SOC Code	Occupational Title	Openings	2009 Hourly Wage	O-NET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements*
41	13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Tr	210	\$24.61	493	2.2	2.1	Long-Term On-The-Job Training
52	13-2072	Loan Officers	161	\$31.13	471	0.9	0.8	Moderate-Term On-The-Job Training
53	33-3051	Police and Sheriff's Patrol Officers	362	\$28.10	650	0.1	0.0	Long-Term On-The-Job Training
54	13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	281	\$25.79	533	1.1	0.4	Long-Term On-The-Job Training
58	33-2011	Fire Fighters	329	\$20.64	753	1.1	0.3	Long-Term On-The-Job Training
79	31-9091	Dental Assistants	315	\$16.84	598	3.1	1.7	Moderate-Term On-The-Job Training
91	43-5052	Postal Service Mail Carriers	267	\$23.54	347	1.6	0.5	Short-Term On-The-Job Training
94	41-3011	Advertising Sales Agents	107	\$28.38	540	0.6	0.3	Moderate-Term On-The-Job Training
101	49-9042	Maintenance and Repair Workers, General	646	\$17.09	627	0.7	0.4	Moderate-Term On-The-Job Training
109	49-9041	Industrial Machinery Mechanics	78	\$23.20	578	1.1	0.7	Long-Term On-The-Job Training
114	31-9092	Medical Assistants	484	\$14.46	557	2.7	2.4	Moderate-Term On-The-Job Training
119	13-1031	Claims Adjusters, Examiners, and Investigators	144	\$28.05	538	0.1	0.0	Long-Term On-The-Job Training
121	27-2022	Coaches and Scouts	132	\$15.06	663	2.1	1.1	Long-Term On-The-Job Training
124	43-3011	Bill and Account Collectors	547	\$15.47	512	1.7	0.9	Short-Term On-The-Job Training
133	53-3032	Truck Drivers, Heavy and Tractor-Trailer	592	\$19.13	524	0.5	0.3	Short-Term On-The-Job Training
139	51-8031	Water and Liquid Waste Treatment Plant and System Operators	46	\$21.15	647	1.3	0.6	Long-Term On-The-Job Training
144	29-2052	Pharmacy Technicians	442	\$14.47	492	3.2	1.3	Moderate-Term On-The-Job Training
145	43-6013	Medical Secretaries	288	\$14.91	499	2.2	1.6	Moderate-Term On-The-Job Training
150	53-4011	Locomotive Engineers	32	\$32.73	481	1.2	0.4	Moderate-Term On-The-Job Training
152	33-3012	Correctional Officers and Jailers	266	\$18.72	678	0.1	0.0	Moderate-Term On-The-Job Training
153	43-4051	Customer Service Representatives	3,031	\$15.45	441	1.5	0.5	Moderate-Term On-The-Job Training
154	49-9051	Electrical Power-Line Installers and Repairers	65	\$30.18	668	-0.2	0.0	Long-Term On-The-Job Training
157	47-2111	Electricians	354	\$21.30	695	-1.6	0.0	Long-Term On-The-Job Training
165	53-7081	Refuse and Recyclable Material Collectors	120	\$18.80	519	1.3	0.5	Short-Term On-The-Job Training
167	53-2021	Air Traffic Controllers	24	\$42.49	524	0.7	0.2	Long-Term On-The-Job Training
172	53-4031	Railroad Conductors and Yardmasters	30	\$32.46	504	0.9	0.3	Moderate-Term On-The-Job Training
174	33-9032	Security Guards	861	\$11.85	592	1.3	0.6	Short-Term On-The-Job Training
176	21-1093	Social and Human Service Assistants	194	\$14.01	581	1.5	0.7	Moderate-Term On-The-Job Training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1 (See notes page for detailed information)								
Rank	SOC Code	Occupational Title	Openings	2009 Hourly Wage	O-NET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements*
177	43-4041	Credit Authorizers, Checkers, and Clerks	569	\$12.05	485	5.2	1.8	Short-Term On-The-Job Training
179	43-5031	Police, Fire, and Ambulance Dispatchers	59	\$19.14	608	1.1	0.5	Moderate-Term On-The-Job Training
182	51-8012	Power Distributors and Dispatchers	13	\$31.26	493	2.3	0.7	Long-Term On-The-Job Training
184	43-3031	Bookkeeping, Accounting, and Auditing Clerks	587	\$17.07	468	0.4	0.3	Moderate-Term On-The-Job Training
191	39-9021	Personal and Home Care Aides	533	\$10.42	502	2.8	2.2	Short-Term On-The-Job Training
193	13-1022	Wholesale and Retail Buyers, Except Farm Products	86	\$27.58	571	-0.2	0.0	Long-Term On-The-Job Training
197	43-3021	Billing and Posting Clerks and Machine Operators	245	\$15.99	443	0.9	0.5	Short-Term On-The-Job Training
202	39-6031	Flight Attendants	111	\$24.59	410	0.1	0.0	Long-Term On-The-Job Training
207	43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	182	\$15.42	438	1.3	0.6	Short-Term On-The-Job Training
209	43-4131	Loan Interviewers and Clerks	187	\$17.91	427	0.7	0.3	Short-Term On-The-Job Training
211	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	73	\$23.34	635	0.0	0.0	Long-Term On-The-Job Training
212	53-3033	Truck Drivers, Light or Delivery Services	385	\$15.37	537	0.4	0.2	Short-Term On-The-Job Training
213	17-3031	Surveying and Mapping Technicians	29	\$22.75	615	0.6	0.4	Moderate-Term On-The-Job Training
216	43-9061	Office Clerks, General	1,246	\$13.71	456	0.7	0.5	Short-Term On-The-Job Training
221	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,831	\$8.85	458	2.0	1.0	Short-Term On-The-Job Training
229	43-5061	Production, Planning, and Expediting Clerks	128	\$20.24	522	0.1	0.0	Moderate-Term On-The-Job Training
232	27-3091	Interpreters and Translators	52	\$21.78	379	1.1	0.5	Long-Term On-The-Job Training
233	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	59	\$18.23	481	1.4	0.7	Moderate-Term On-The-Job Training
235	41-2031	Retail Salespersons	3,239	\$12.24	477	0.9	0.3	Short-Term On-The-Job Training
236	47-2152	Plumbers, Pipefitters, and Steamfitters	191	\$19.79	604	-1.5	0.0	Long-Term On-The-Job Training
245	35-2014	Cooks, Restaurant	671	\$10.66	530	1.0	0.4	Long-Term On-The-Job Training
247	47-2031	Carpenters	533	\$18.44	497	-0.3	0.0	Long-Term On-The-Job Training
252	43-5011	Cargo and Freight Agents	25	\$20.98	472	1.8	0.8	Moderate-Term On-The-Job Training
254	53-7051	Industrial Truck and Tractor Operators	190	\$14.56	638	0.1	0.0	Short-Term On-The-Job Training
255	43-5081	Stock Clerks and Order Fillers	1,460	\$10.79	398	1.3	0.5	Short-Term On-The-Job Training
260	51-8013	Power Plant Operators	14	\$28.67	395	1.4	0.4	Long-Term On-The-Job Training
262	43-4111	Interviewers, Except Eligibility and Loan	153	\$12.96	481	1.5	0.6	Short-Term On-The-Job Training
265	43-4171	Receptionists and Information Clerks	749	\$12.87	476	0.6	0.2	Short-Term On-The-Job Training
266	37-3011	Landscaping and Groundskeeping Workers	837	\$11.14	365	0.9	0.8	Short-Term On-The-Job Training
267	35-2011	Cooks, Fast Food	577	\$8.85	515	1.2	0.5	Short-Term On-The-Job Training
268	53-3021	Bus Drivers, Transit and Intercity	100	\$14.06	596	0.7	0.4	Moderate-Term On-The-Job Training