

Highest Ranked Occupations

Top 50 Occupations (5-Digit) in Washington-Arlington-Alexandria, DC-VA-MD-WV

EMSI Q3 2015 Data Set

December 2015

Montgomery College



900 Hungerford Drive
Rockville, Maryland 20850

Parameters

Regions

Code	Description
47900	Washington-Arlington-Alexandria, DC-VA-MD-WV

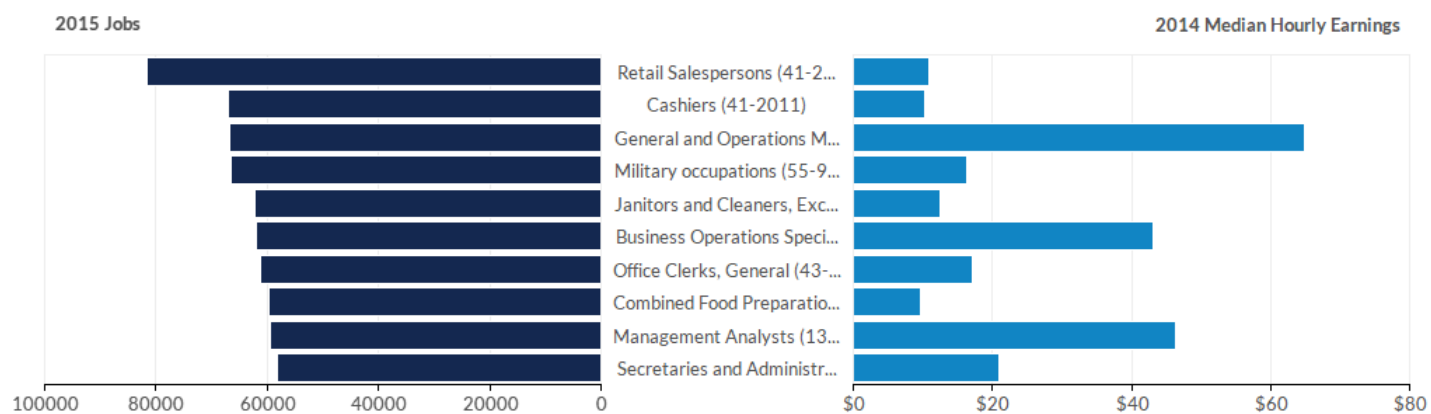
Timeframe

2015 - 2025

Datarun

2015.3 - Employees

Largest Occupations

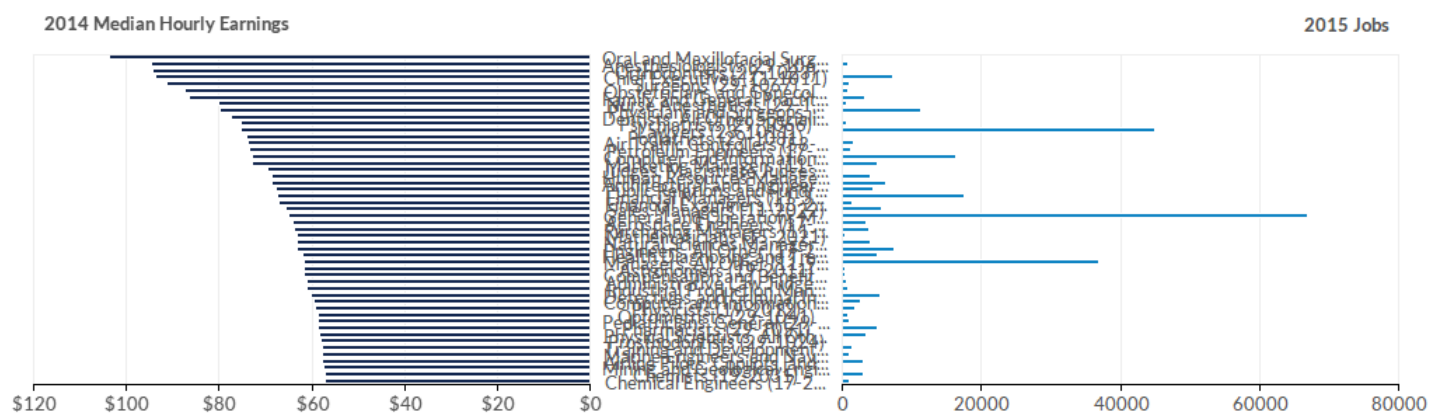


Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Retail Salespersons	81,674	87,543	5,869	7%	\$10.87
Cashiers	66,885	69,985	3,100	5%	\$10.21
General and Operations Managers	66,802	72,684	5,882	9%	\$64.86
Military occupations	66,535	67,083	548	1%	\$16.34
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	62,293	69,669	7,376	12%	\$12.41
Business Operations Specialists, All Other	62,069	61,718	-350	-1%	\$43.16
Office Clerks, General	61,181	66,515	5,333	9%	\$17.07
Combined Food Preparation and Serving Workers, Including Fast Food	59,725	72,226	12,501	21%	\$9.60
Management Analysts	59,522	65,006	5,484	9%	\$46.34
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	58,182	65,245	7,063	12%	\$20.95
Waiters and Waitresses	49,116	54,810	5,694	12%	\$9.96
Lawyers	44,964	46,475	1,512	3%	\$75.14
Accountants and Auditors	42,990	47,701	4,712	11%	\$40.48
Registered Nurses	41,959	47,204	5,245	13%	\$37.16
Security Guards	40,237	46,912	6,675	17%	\$17.27
Customer Service Representatives	38,865	44,008	5,143	13%	\$18.51
Managers, All Other	36,845	35,546	-1,299	-4%	\$61.75
Software Developers, Applications	34,311	43,098	8,787	26%	\$52.57
First-Line Supervisors of Office and Administrative Support Workers	32,964	36,267	3,304	10%	\$30.66

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Stock Clerks and Order Fillers	32,299	33,011	712	2%	\$12.39
Postsecondary Teachers	31,213	35,959	4,746	15%	\$33.63
Bookkeeping, Accounting, and Auditing Clerks	30,066	34,153	4,086	14%	\$23.08
Elementary School Teachers, Except Special Education	28,586	32,648	4,063	14%	\$32.21
Software Developers, Systems Software	27,969	32,989	5,020	18%	\$52.23
Computer Occupations, All Other	26,244	25,439	-805	-3%	\$53.21
Maids and Housekeeping Cleaners	25,986	28,985	2,999	12%	\$12.81
Computer Systems Analysts	25,582	31,108	5,526	22%	\$48.64
Receptionists and Information Clerks	25,527	28,411	2,883	11%	\$15.19
Laborers and Freight, Stock, and Material Movers, Hand	25,440	26,860	1,420	6%	\$12.48
Sales Representatives, Services, All Other	24,858	28,699	3,841	15%	\$31.89
Maintenance and Repair Workers, General	24,510	27,037	2,527	10%	\$21.54
Personal Care Aides	24,473	32,295	7,822	32%	\$11.28
Cooks, Restaurant	24,230	28,826	4,596	19%	\$12.86
Teacher Assistants	23,399	26,479	3,080	13%	\$13.99
First-Line Supervisors of Retail Sales Workers	22,248	23,986	1,738	8%	\$21.48
Executive Secretaries and Executive Administrative Assistants	21,861	21,969	109	0%	\$30.37
Nursing Assistants	21,788	25,182	3,394	16%	\$13.74
Computer User Support Specialists	20,642	25,551	4,909	24%	\$28.25
Network and Computer Systems Administrators	19,650	21,712	2,061	10%	\$46.17
Market Research Analysts and Marketing Specialists	19,369	25,183	5,813	30%	\$34.03
Human Resources Specialists	19,243	19,480	237	1%	\$41.08
Childcare Workers	19,225	22,053	2,828	15%	\$11.44
Landscaping and Groundskeeping Workers	19,145	21,134	1,989	10%	\$12.82
First-Line Supervisors of Food Preparation and Serving Workers	18,766	22,190	3,424	18%	\$18.09

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Secondary School Teachers, Except Special and Career/Technical Education	18,742	20,557	1,814	10%	\$32.43
Construction Laborers	18,673	22,430	3,758	20%	\$15.84
Public Relations Specialists	18,296	19,850	1,554	8%	\$39.34
Financial Managers	17,575	18,486	911	5%	\$67.29
Substitute Teachers	17,568	18,913	1,345	8%	\$15.93
Food Preparation Workers	17,389	19,104	1,715	10%	\$10.60

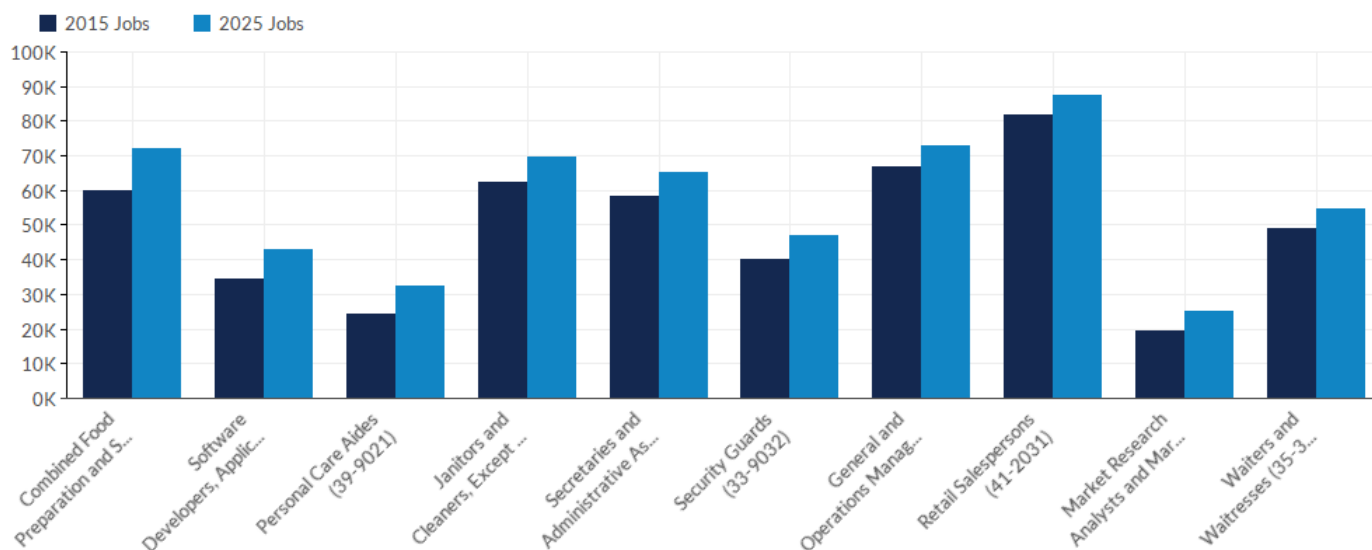
Highest Paying Occupations



Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Earnings Per Worker
Oral and Maxillofacial Surgeons	127	158	31	24%	\$104
Anesthesiologists	726	848	122	17%	\$95
Orthodontists	138	169	31	22%	\$94
Chief Executives	7,179	7,759	580	8%	\$94
Surgeons	1,093	1,273	180	16%	\$91
Obstetricians and Gynecologists	896	973	77	9%	\$87
Family and General Practitioners	3,138	3,471	333	11%	\$87
Nurse Anesthetists	681	805	124	18%	\$80
Physicians and Surgeons, All Other	11,347	11,965	618	5%	\$80
Dentists, All Other Specialists	168	182	14	8%	\$77
Psychiatrists	622	698	76	12%	\$75
Lawyers	44,964	46,475	1,511	3%	\$75
Podiatrists	191	231	40	21%	\$74
Air Traffic Controllers	1,554	1,637	83	5%	\$74
Petroleum Engineers	1,204	1,288	84	7%	\$73
Computer and Information Systems Managers	16,343	18,568	2,225	14%	\$73
Marketing Managers	4,991	5,780	789	16%	\$73
Judges, Magistrate Judges, and Magistrates	140	156	16	11%	\$70
Human Resources Managers	4,080	4,444	364	9%	\$69
Architectural and Engineering Managers	6,284	6,456	172	3%	\$68
Public Relations and Fundraising Managers	4,366	4,824	458	10%	\$68

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Earnings Per Worker
Financial Managers	17,575	18,486	911	5%	\$67
Financial Examiners	1,385	1,406	21	2%	\$67
Sales Managers	5,710	6,387	677	12%	\$66
General and Operations Managers	66,802	72,684	5,882	9%	\$65
Aerospace Engineers	3,466	3,649	183	5%	\$64
Purchasing Managers	3,899	3,773	-126	-3%	\$64
Mathematicians	365	394	29	8%	\$63
Natural Sciences Managers	3,980	3,891	-89	-2%	\$63
Engineers, All Other	7,497	7,321	-176	-2%	\$63
Health Diagnosing and Treating Practitioners, All Other	4,990	4,937	-53	-1%	\$62
Managers, All Other	36,845	35,546	-1,299	-4%	\$62
Astronomers	340	325	-15	-4%	\$62
Compensation and Benefits Managers	423	447	24	6%	\$62
Administrative Law Judges, Adjudicators, and Hearing Officers	621	593	-28	-5%	\$61
Industrial Production Managers	842	856	14	2%	\$61
Detectives and Criminal Investigators	5,488	5,594	106	2%	\$60
Computer and Information Research Scientists	2,642	2,872	230	9%	\$60
Physicists	1,907	1,836	-71	-4%	\$59
Optometrists	839	1,106	267	32%	\$59
Pediatricians, General	996	1,094	98	10%	\$59
Pharmacists	5,078	5,675	597	12%	\$59
Physical Scientists, All Other	3,327	3,193	-134	-4%	\$58
Prosthodontists	14	16	2	14%	\$58
Training and Development Managers	1,330	1,432	102	8%	\$58
Marine Engineers and Naval Architects	967	992	25	3%	\$58
Airline Pilots, Copilots, and Flight Engineers	2,969	2,657	-312	-11%	\$58
Mining and Geological Engineers, Including Mining Safety Engineers	47	67	20	43%	\$57
Chemists	2,952	2,927	-25	-1%	\$57
Chemical Engineers	1,098	1,166	68	6%	\$57

Fastest Growing Occupations

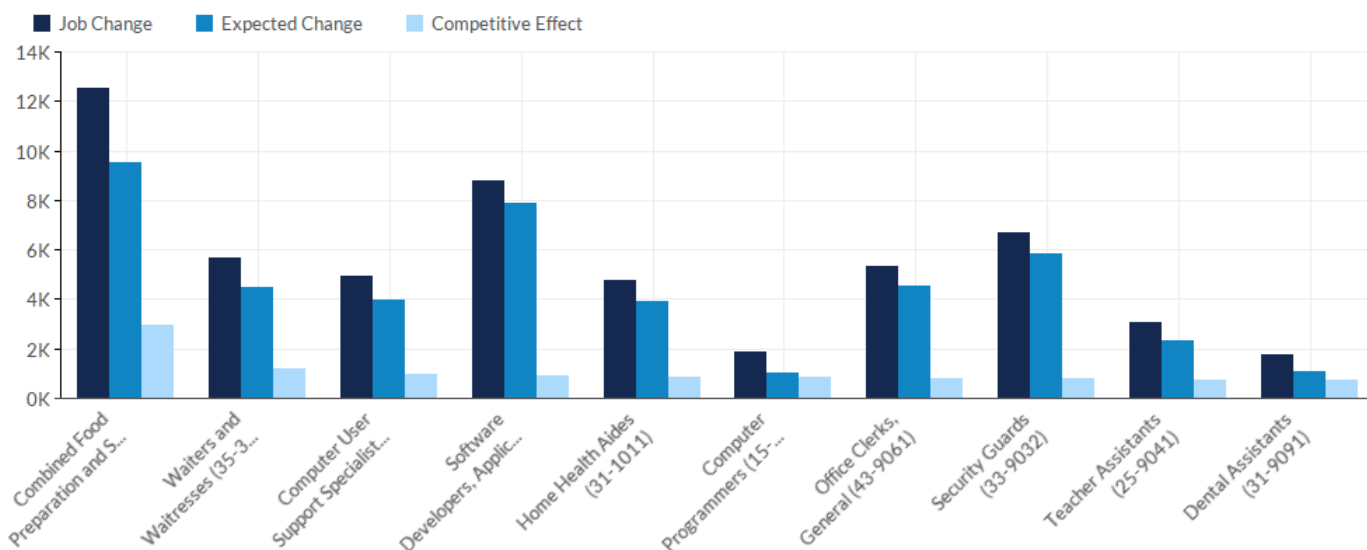


Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Combined Food Preparation and Serving Workers, Including Fast Food	59,725	72,226	12,501	21%	\$9.60
Software Developers, Applications	34,311	43,098	8,787	26%	\$52.57
Personal Care Aides	24,473	32,295	7,822	32%	\$11.28
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	62,293	69,669	7,376	12%	\$12.41
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	58,182	65,245	7,063	12%	\$20.95
Security Guards	40,237	46,912	6,675	17%	\$17.27
General and Operations Managers	66,802	72,684	5,882	9%	\$64.86
Retail Salespersons	81,674	87,543	5,869	7%	\$10.87
Market Research Analysts and Marketing Specialists	19,369	25,183	5,813	30%	\$34.03
Waiters and Waitresses	49,116	54,810	5,694	12%	\$9.96
Computer Systems Analysts	25,582	31,108	5,526	22%	\$48.64
Management Analysts	59,522	65,006	5,484	9%	\$46.34
Office Clerks, General	61,181	66,515	5,333	9%	\$17.07
Registered Nurses	41,959	47,204	5,245	13%	\$37.16
Customer Service Representatives	38,865	44,008	5,143	13%	\$18.51
Software Developers, Systems Software	27,969	32,989	5,020	18%	\$52.23
Computer User Support Specialists	20,642	25,551	4,909	24%	\$28.25

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Home Health Aides	11,425	16,211	4,787	42%	\$12.13
Postsecondary Teachers	31,213	35,959	4,746	15%	\$33.63
Accountants and Auditors	42,990	47,701	4,712	11%	\$40.48
Cooks, Restaurant	24,230	28,826	4,596	19%	\$12.86
Bookkeeping, Accounting, and Auditing Clerks	30,066	34,153	4,086	14%	\$23.08
Elementary School Teachers, Except Special Education	28,586	32,648	4,063	14%	\$32.21
Sales Representatives, Services, All Other	24,858	28,699	3,841	15%	\$31.89
Construction Laborers	18,673	22,430	3,758	20%	\$15.84
First-Line Supervisors of Food Preparation and Serving Workers	18,766	22,190	3,424	18%	\$18.09
Nursing Assistants	21,788	25,182	3,394	16%	\$13.74
First-Line Supervisors of Office and Administrative Support Workers	32,964	36,267	3,304	10%	\$30.66
Cashiers	66,885	69,985	3,100	5%	\$10.21
Teacher Assistants	23,399	26,479	3,080	13%	\$13.99
Maids and Housekeeping Cleaners	25,986	28,985	2,999	12%	\$12.81
Carpenters	14,454	17,351	2,896	20%	\$22.49
Receptionists and Information Clerks	25,527	28,411	2,883	11%	\$15.19
Childcare Workers	19,225	22,053	2,828	15%	\$11.44
Maintenance and Repair Workers, General	24,510	27,037	2,527	10%	\$21.54
Medical Secretaries	8,568	11,049	2,481	29%	\$17.15
Information Security Analysts	9,393	11,816	2,422	26%	\$51.89
Medical Assistants	9,340	11,672	2,333	25%	\$16.81
Computer and Information Systems Managers	16,343	18,568	2,225	14%	\$72.80
Network and Computer Systems Administrators	19,650	21,712	2,061	10%	\$46.17
Preschool Teachers, Except Special Education	11,104	13,132	2,028	18%	\$16.33
First-Line Supervisors of Construction Trades and Extraction Workers	12,809	14,824	2,015	16%	\$32.65
Landscaping and Groundskeeping Workers	19,145	21,134	1,989	10%	\$12.82

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Computer Programmers	9,645	11,534	1,889	20%	\$44.89
Licensed Practical and Licensed Vocational Nurses	10,379	12,261	1,882	18%	\$24.59
Middle School Teachers, Except Special and Career/Technical Education	13,051	14,866	1,815	14%	\$33.21
Secondary School Teachers, Except Special and Career/Technical Education	18,742	20,557	1,814	10%	\$32.43
Dental Assistants	6,681	8,464	1,784	27%	\$18.72
First-Line Supervisors of Retail Sales Workers	22,248	23,986	1,738	8%	\$21.48
Self-Enrichment Education Teachers	6,185	7,917	1,732	28%	\$20.44

Most Competitive Occupations

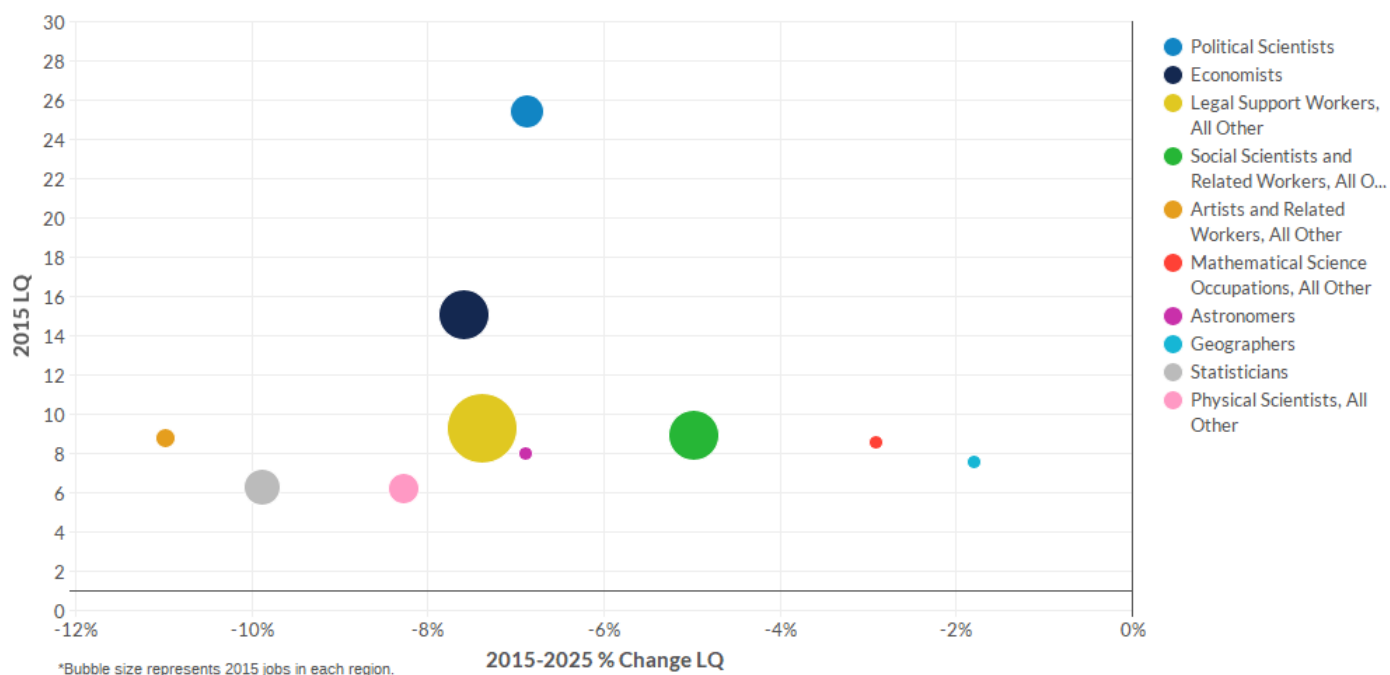


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Combined Food Preparation and Serving Workers, Including Fast Food	12,501	2,656	6,887	9,543	2,958
Waiters and Waitresses	5,694	1,163 ⁻	5,664	4,501	1,193
Computer User Support Specialists	4,909	1,584	2,380	3,964	945
Software Developers, Applications	8,787	3,900	3,957	7,857	930
Home Health Aides	4,787	2,620	1,317	3,937	850
Computer Programmers	1,889	-69	1,112	1,043	846
Office Clerks, General	5,334	2,542 ⁻	7,055	4,513	820
Security Guards	6,675	1,215	4,640	5,855	819
Teacher Assistants	3,080	-355	2,698	2,343	737
Dental Assistants	1,784	295	770	1,065	718
Military occupations	548	7,825 ⁻	7,672	-153	701
Self-Enrichment Education Teachers	1,732	419	713	1,132	600
Cooks, Restaurant	4,596	1,216	2,794	4,010	586
Bus Drivers, Transit and Intercity	1,063	-50	540	490	573
Dental Hygienists	1,270	341	380	721	550
First-Line Supervisors of Food Preparation and Serving Workers	3,424	731	2,164	2,895	529

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Bookkeeping, Accounting, and Auditing Clerks	4,086	128	3,467	3,595	492
Cooks, Fast Food	917	-476	942	466	451
Food Preparation Workers	1,715	-709	2,005	1,296	419
Preschool Teachers, Except Special Education	2,028	333	1,280	1,613	414
Medical Assistants	2,333	864	1,077	1,941	391
Carpenters	2,896	845	1,667	2,512	385
Clergy	917	-12	546	534	382
Bartenders	1,632	95	1,172	1,267	365
Childcare Workers	2,828	268	2,217	2,485	344
Market Research Analysts and Marketing Specialists	5,813	3,240	2,234	5,474	340
Social Science Research Assistants	921	163	427	590	331
Billing and Posting Clerks	1,428	296	819	1,115	313
Correctional Officers and Jailers	621	-231	543	312	310
Social and Human Service Assistants	1,513	459	745	1,204	309
Cooks, Institution and Cafeteria	980	97	587	684	296
Cleaners of Vehicles and Equipment	844	-35	614	579	265
Directors, Religious Activities and Education	537	-26	323	297	241
Secondary School Teachers, Except Special and Career/Technical Education	1,814	-586	2,161	1,575	239
Advertising Sales Agents	301	-206	278	72	230
Construction Laborers	3,758	1,383	2,153	3,536	222
Telemarketers	504	0	287	287	217
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	613	-610	1,009	399	214
Security and Fire Alarm Systems Installers	652	162	281	443	209
Medical Secretaries	2,481	1,291	988	2,279	202
Coaches and Scouts	1,050	244	606	850	199
Interviewers, Except Eligibility and Loan	751	-91	643	552	198
Labor Relations Specialists	191	-155	157	2	189
Claims Adjusters, Examiners, and Investigators	433	-181	429	248	184

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Operating Engineers and Other Construction Equipment Operators	1,028	206	654	860	168
Personal Financial Advisors	1,074	498	408	906	167
Water and Wastewater Treatment Plant and System Operators	298	-46	180	134	165
Anthropologists and Archeologists	207	20	29	49	158
Phlebotomists	471	137	179	316	155
Musicians and Singers	362	-41	249	208	154

Highest Occupation Location Quotient



Occupation	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2014 Median Hourly Earnings
Political Scientists	3,989	4,340	9%	25.46	23.70	-7%	\$56.64
Economists	6,818	7,132	5%	15.04	13.90	-8%	\$54.05
Legal Support Workers, All Other	10,073	9,704	-4%	9.31	8.62	-7%	\$45.13
Social Scientists and Related Workers, All Other	6,722	6,599	-2%	8.95	8.51	-5%	\$46.47
Artists and Related Workers, All Other	1,532	1,431	-7%	8.76	7.80	-11%	\$41.92
Mathematical Science Occupations, All Other	356	389	9%	8.59	8.34	-3%	\$33.51
Astronomers	340	325	-4%	8.01	7.46	-7%	\$61.64
Geographers	231	269	16%	7.54	7.40	-2%	\$43.55
Statisticians	4,070	4,492	10%	6.31	5.69	-10%	\$49.46
Physical Scientists, All Other	3,327	3,193	-4%	6.18	5.67	-8%	\$58.44
Historians	455	454	0%	6.05	5.78	-4%	\$44.80
Health Diagnosing and Treating Practitioners, All Other	4,990	4,937	-1%	6.04	5.40	-11%	\$61.85
Social Science Research Assistants	3,704	4,625	25%	5.80	6.31	9%	\$19.44
Marine Engineers and Naval Architects	967	992	3%	5.38	4.84	-10%	\$57.83
Computer Occupations, All Other	26,244	25,439	-3%	5.29	4.78	-10%	\$53.21
Biological Scientists, All Other	3,800	3,698	-3%	5.08	4.76	-6%	\$44.17

Occupation	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2014 Median Hourly Earnings
Information Security Analysts	9,393	11,816	26%	5.04	4.89	-3%	\$51.89
Physicists	1,907	1,836	-4%	4.95	4.36	-12%	\$59.33
Mathematicians	365	394	8%	4.68	4.29	-8%	\$63.31
Radio Operators	132	131	-1%	4.64	4.56	-2%	\$25.57
Computer and Information Research Scientists	2,642	2,872	9%	4.49	4.27	-5%	\$59.56
Atmospheric and Space Scientists	1,110	1,150	4%	4.38	4.04	-8%	\$49.55
Management Analysts	59,522	65,006	9%	4.38	4.15	-5%	\$46.34
Managers, All Other	36,845	35,546	-4%	4.31	3.91	-9%	\$61.75
Budget Analysts	5,277	5,383	2%	4.04	3.85	-5%	\$44.93
Museum Technicians and Conservators	809	792	-2%	3.71	3.33	-10%	\$30.47
Public Relations Specialists	18,296	19,850	8%	3.71	3.60	-3%	\$39.34
Concierges	2,579	3,008	17%	3.63	3.51	-3%	\$15.72
Shampooers	1,325	1,294	-2%	3.55	3.44	-3%	\$9.48
Industrial-Organizational Psychologists	82	109	34%	3.52	3.77	7%	\$44.46
Education Administrators, All Other	2,592	2,667	3%	3.50	3.26	-7%	\$47.20
Lawyers	44,964	46,475	3%	3.33	3.15	-5%	\$75.14
Natural Sciences Managers	3,980	3,891	-2%	3.29	2.98	-9%	\$63.15
Operations Research Analysts	6,649	7,888	19%	3.23	3.14	-3%	\$49.98
Public Relations and Fundraising Managers	4,366	4,824	10%	3.21	3.15	-2%	\$67.86
Software Developers, Systems Software	27,969	32,989	18%	3.17	3.14	-1%	\$52.23
Sociologists	173	259	50%	3.15	4.21	33%	\$43.90
Survey Researchers	1,116	1,370	23%	3.15	3.37	7%	\$37.21
Microbiologists	1,489	1,482	0%	3.13	2.83	-10%	\$47.81
Archivists	406	432	6%	3.12	2.93	-6%	\$33.21
Technical Writers	3,415	3,758	10%	3.12	3.00	-4%	\$39.12
Computer Network Architects	9,800	10,967	12%	3.06	3.02	-1%	\$56.56
Reporters and Correspondents	2,625	2,330	-11%	2.94	3.08	5%	\$31.63
Meeting, Convention, and Event Planners	5,498	6,977	27%	2.91	2.88	-1%	\$30.98
Business Operations Specialists, All Other	62,069	61,718	-1%	2.88	2.65	-8%	\$43.16

Occupation	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2014 Median Hourly Earnings
Air Traffic Controllers	1,554	1,637	5%	2.86	2.89	1%	\$73.84
Transportation Security Screeners	2,941	3,293	12%	2.75	2.85	3%	\$25.66
Forensic Science Technicians	805	862	7%	2.59	2.58	-1%	\$34.87
Engineers, All Other	7,497	7,321	-2%	2.59	2.39	-8%	\$63.04
Media and Communication Equipment Workers, All Other	1,122	1,054	-6%	2.57	2.34	-9%	\$45.71

Appendix A - Data Sources and Calculations

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

State Data Sources

This report uses state data from the following agencies: District of Columbia Department of Employment Services; Maryland Department of Labor, Licensing and Regulation, Office of Labor Market Analysis and Information; Virginia Employment Commission, Economic Information Services; West Virginia Bureau of Employment Programs, Research Information & Analysis Division