

Spotlight: Cybersecurity

Labor Market Information for Maryland Job Seekers and Businesses



At a glance:

3% Cybersecurity occupations account for roughly 3% of all Maryland's jobs.

Maryland has the 3rd highest 'cyber' job density with a location quotient of **2.8**

Cybersecurity jobs are an important part of Maryland's economy and are some of the highest paying, most exciting careers available for recent grads and experienced professionals alike. However, cybersecurity jobs are spread over multiple industries with a high variance of tasks and necessary skills even between two employers. Additionally, cybersecurity and information security jobs do not yet have a defined standard industry classification number under BLS NAICS, limiting access to labor market data for cybersecurity jobs.

For our analysis, we use an occupational cluster of 10 standard occupational classifications (SOC) that detail cyber and information security tasks in their descriptions. The occupations, descriptions, and SOC numbers are included below for reference.

Where are the most Cybersecurity jobs in Maryland?

Workforce Region	# Employed
Anne Arundel	10,530
Baltimore City	8,240
Baltimore County	9,900
Frederick County	2,440
Lower Shore	510
Mid-Maryland	12,020
Montgomery	20,950
Prince George's	8,890
Southern Maryland	3,150
Susquehanna	2,510
Upper Shore	530
Western Maryland	900
Grand Total	80,570

Source: Occupational Employment Statistics (OES) Program May 2016

What are the highest paying Cybersecurity Occupations in MD?

Occupation	Avg. Salary
Computer and Information Research Scientists	\$113,110
Computer Systems Analysts	\$95,890
Information Security Analysts	\$104,830
Computer Programmers	\$89,550
Software Developers, Applications	\$103,580
Software Developers, Systems Software	\$118,090
Web Developers	\$66,720
Database Administrators	\$87,440
Network and Computer Systems Administrators	\$106,000
Computer Network Architects	\$110,710

Source: Occupational Employment Statistics (OES) Program May 2016

What does the future hold for Cybersecurity jobs in Maryland?

2014 Employment Estimate*	86,210
2024 Projected Employment	113,750
% Change	31.5%
Projected Annual Openings	4,100

Source: DLLR Occupational Employment Projections Unit

Visit these links for more information on cybersecurity jobs, educational programs, & more:

- www.cyberpathwaysacrossmd.com
- www.csrc.nist.gov/nice
- www.cyberdegrees.org
- www.cyberseek.org/heatmap.html
- www.doit.maryland.gov

For data requests, labor market information, or other questions relating to cybersecurity labor market information in Maryland, contact Stephen Everitt at DLLR: stephen.everitt@maryland.gov

Occupation	SOC	Total MD Jobs
Computer Information Research Scientist	15-1111	2,490
Computer Network Architect	15-1143	15,760
Computer Programmer	15-1131	4,440
Computer Systems Analyst	15-1121	5,300
Database Administrator	15-1141	12,890
Information Security Analyst	15-1122	15,640
Network and Computer Systems Administrator	15-1142	4,020
Software Developers, Systems Software	15-1133	3,660
Systems Developers, Applications	15-1132	14,340
Web Developers	15-1134	4,990

Source: Occupational Employment Statistics (OES) Program May 2016

