

Cybersecurity Workforce Demand



GLOBALLY, the shortage of cybersecurity professionals is estimated to be **2.72 Million**

Source: (ISC)² Cybersecurity Workforce Study, 2021

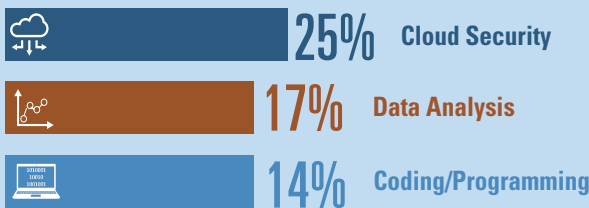


On average, **50%**

of hiring managers surveyed generally do not believe their applicants are well qualified and an additional **16%** are either unable or uncomfortable making the determination.

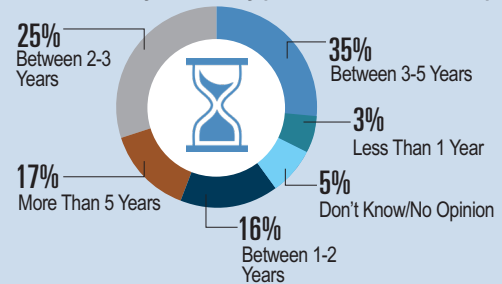
Source: ISACA State of Cybersecurity 2021: Part 1: Global Update on Workforce Efforts, Resources, and Budgets

The most important technical skills:



Source: 2021 Cybersecurity Career Pursuers Study

How long does it take a cybersecurity professional to become proficient



Source: The Life and Times of Cybersecurity Professionals 2021

597,767 total cybersecurity job openings

1,053,468 total employed cybersecurity workforce

Source: CyberSeek, November 2021

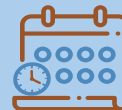
On average, cybersecurity workers make **23%** more in the private sector than in the federal government—although pay is comparable at the entry level.



Source: Securing a Nation: Improving Federal Cybersecurity Hiring in the United States, 2021

16%

Of respondents state that on average it takes **6 or more months** to fill a new cybersecurity position



Source: ISACA State of Cybersecurity 2021: Part 1: Global Update on Workforce Efforts, Resources, and Budgets

13.5% Growth



Computer and mathematical occupations will grow much faster than the average job during 2016–2026

Source: Bureau of Labor Statistics, U.S. Department of Labor

Top cybersecurity job titles:

- Cybersecurity Analyst
- Cybersecurity Manager
- Cybersecurity Consultant
- Software Developer
- Systems Engineer
- Network Engineer
- Penetration & Vulnerability Tester
- Systems Administrator
- Cybersecurity Specialist

Source: CyberSeek, November 2021

Top areas of professional development being pursued:

- Cloud Computing Security
- Risk Assessment, Analysis and Management
- DevSecOps
- Governance, Risk Management and Compliance (GRC)
- Threat Intelligence Analysis
- Application Security
- Security Engineering
- Security Administration
- Security Analysis
- Artificial Intelligence/Machine Learning



Source: (ISC)² Cybersecurity Workforce Study, 2021