Cybersecurity Workforce Demand

1.8 Million MORE cybersecurity professionals will be needed to accommodate the predicted global shortfall by 2022

Source: (ISC)² 2017 Global Information Security Workforce Study

On average, 37% of IT professionals surveyed stated fewer than 25% of all applicants were qualified

Source: ISACA State of Cybersecurity 2017: Current Trends in Workforce Development

The most important attributes of a qualified applicant

- Practical Verification (hands-on) 55%
- Reference/Personal Endorsement 34%
- Certification Skills 32%

Source: ISACA State of Cybersecurity 2017: Current Trends in Workforce Development

285,681 total cybersecurity job openings

746,858 total employed cybersecurity workforce

Source: CyberSeek, August 2017

Education and Experience Requirements in cybersecurity job openings

- Sub-Bachelor’s - 15%
- Bachelor’s - 64%
- Graduate - 21%

Source: Job Market Intelligence: Cybersecurity Jobs, 2017

Top industries for cybersecurity job openings

- Other 29%
- Managing/Consumer Data 14%
- Professional Services 41%
- Finance and Insurance 16%

Source: Job Market Intelligence: Cybersecurity Jobs, 2017, Burning Glass Technologies

Approximately 11% of the current cybersecurity workforce are comprised of women

Source: (ISC)² 2017 Global Information Security Workforce Study: Women in Cybersecurity

13.5% Growth

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


Top Cybersecurity Job Titles

- Cybersecurity Engineer
- Cybersecurity Analyst
- Network Engineer/Architect
- Cybersecurity Manager
- Software Developer/Engineer
- Systems Engineer

Source: CyberSeek, August 2017

Hardest to fill skills in cybersecurity job postings

- Software Engineering
- Disaster Recovery Planning
- Network Engineering
- Software Development
- Network Administration
- Python
- Information Assurance
- Risk Management Framework
- Cryptography
- Network Security

Source: Job Market Intelligence: Cybersecurity Jobs, 2017, Burning Glass Technologies