

# *The Many Areas of Information Security*

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# *The State of Cybersecurity in 2021*

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Cybercrime continues to be on the rise, especially with COVID-19 and many organizations transitioning their employees to full-time remote work. While, at the same time, there is a 3.12 million shortage of Cybersecurity professionals across the globe.

1

## Hackers Target Small Businesses



**43%**

43% of all cyber attacks are aimed at small businesses.

**14%**

Only 14% of small businesses are prepared to defend themselves.

2

## Data Breaches Often Go Undetected



**197**

On average, it takes a company 197 days to discover that a data breach has occurred.

**69**

After its discovery, it often takes up to 69 days to contain a breach.

3

## The Financial Cost of Cyber Attacks



**\$6 Trillion**

The global cost of cybercrime is expected to be \$6 trillion in 2021.

**\$10.5 Trillion**

The global cost is expected to rise to \$10.5 trillion in 2025.

4

## Most Prevalent Attacks



**350%**

Ransomware attacks are growing more than 350% annually.

**75%**

Hackers are leveraging COVID-19 to increase malware attacks, which have increased by 75%.

5

## Cybersecurity Career Opportunities



**3.12 Million**

Globally, the shortage of Cybersecurity professionals is estimated to be 3.12 million.

**6+ Months**

On average, it takes 6 or more months to fill a new cybersecurity position.

# *The Most Valuable Beginner IT Security Certifications*

# Most Valuable Beginner IT Security Certifications

*According to LinkedIn, Indeed and Simply Hired (as of June 2021)*

Certification	Job Listings
<b>CompTIA Security+</b>	11,652
EC-Council Certified Ethical Hacker (CEH)	9,992
GIAC Security Essentials (GSEC)	8,045
(ISC) <sup>2</sup> Systems Security Certified Practitioner (SSCP)	7,983
GIAC Certified Incident Handler (GCIH)	6,053

Source: <https://www.coursera.org/articles/popular-cybersecurity-certifications>

## *Other Recommended Beginner IT Certifications*

- CompTIA A+
- ***ITIL Foundation***
- ***CompTIA Network+***
- CompTIA PenTest+
- ***eLearnSecurity Junior Penetration Tester (eJPT)***
- PMI Certified Associate in Project Management (CAPM)
- Azure, AWS, and Google Cloud Computing Certs