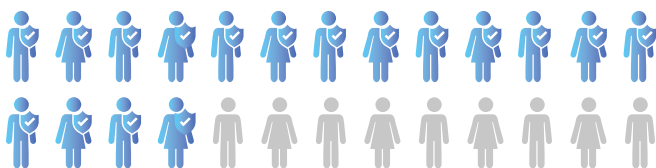


Deciphering the Cybersecurity Job Market

Building the pipeline through informed data-driven approaches



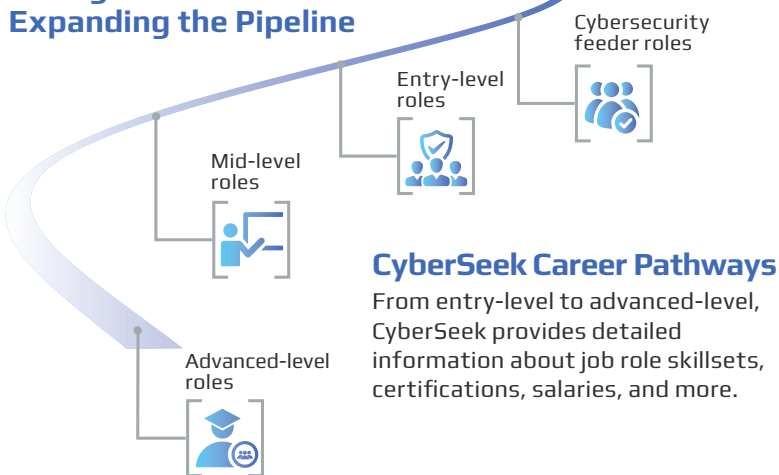
Employer Demand for Cybersecurity Workers Outpaces Supply



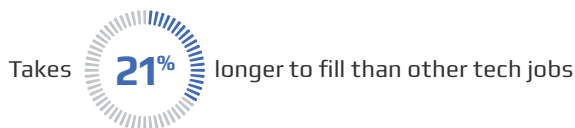
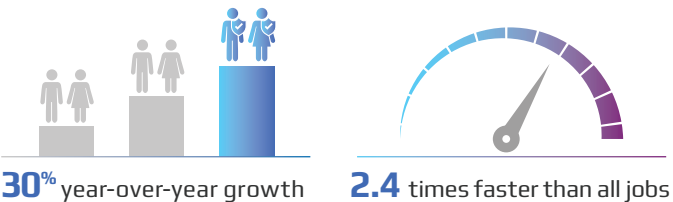
755,000+ Cybersecurity Job Postings By U.S. Employers



Taking Action: Expanding the Pipeline

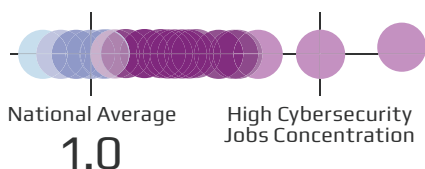


Cybersecurity Jobs



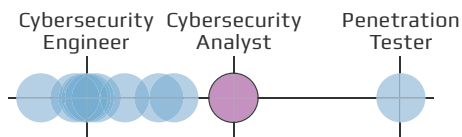
Geographic Concentration

Compare the concentration of cybersecurity job demand across state and metro area locations



Top Cybersecurity Job Titles

Compare employer demand for top cybersecurity job titles



Job Openings by NICE Framework Work Role Categories

Operate & Maintain 525,608	Oversee & Govern 357,786	Protect & Defend 297,185
Securely Provision 481,733	Analyze 205,789	Collect & Operate 97,050
		Investigate 58,672

Note: The NICE Framework Work Role Categories are not mutually exclusive — one job could perform multiple roles within the framework. Data shown are not intended to be aggregated.

CyberSeek.org is freely available to users through a public-private partnership.

CyberSeek is a joint initiative between the National Initiative for Cybersecurity Education (NICE), led by the National Institute of Standards and Technology (NIST); Lightcast, a leading provider of job market analytics and strategic intelligence; and CompTIA, the nonprofit association for the global technology industry and workforce.

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Overcoming Data Shortfalls to Quantify the Full Cybersecurity Ecosystem

CyberSeek is a unique tool designed to decode the relationship between job seekers and employers hiring for in-demand cybersecurity skills.

CyberSeek launched in 2016 through a public-private partnership of NICE, Lightcast and CompTIA. Since that time more than 2.7 million job seekers, employers, educators policymakers and other stakeholders have visited CyberSeek for detailed, actionable data about the cybersecurity job market.

The interactive set of maps, tools, and career pathways aligned to the National Initiative for Cybersecurity Education Workforce Framework for Cybersecurity (NICE Framework) is an important step towards addressing one of the most critical workforce challenges of our time.



Leverage real-time job posting and social profile data



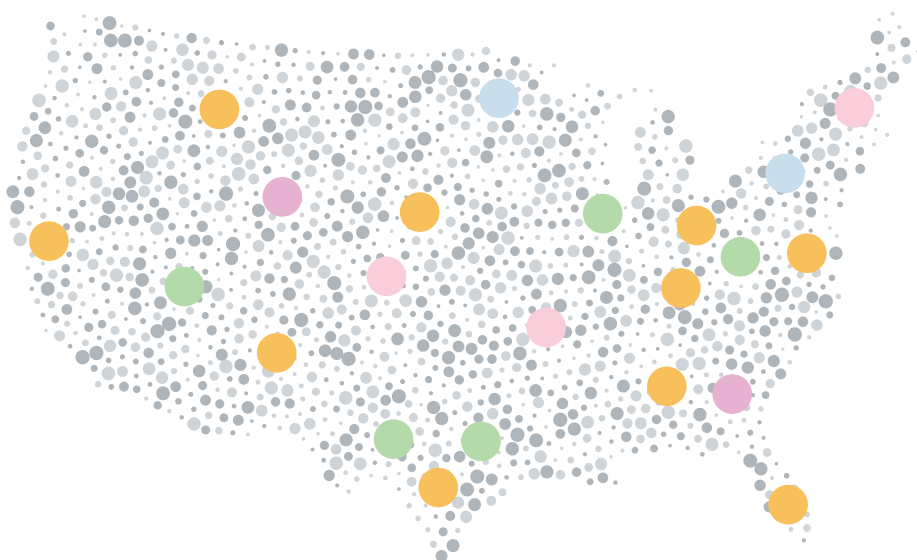
Define cybersecurity workforce in terms of job titles, skills, and credentials required



Map cybersecurity jobs to NICE Framework to create common language

CYBERSECURITY EDUCATION AND TRAINING PROVIDERS

www.cyberseek.org/training.html



- Associate degree
- Cybersecurity Career Training
- Bachelor's degree
- Industry-Recognized Certification
- Graduate



About NICE: The National Initiative for Cybersecurity Education (NICE), led by the National Institute of Standards and Technology (NIST), is a partnership between government, academia, and the private sector focused on cybersecurity education, training, and workforce development.

► www.nist.gov/nice



About Lightcast: Lightcast is the world's leading authority on job skills, workforce talent, and labor market dynamics, providing expertise that empowers businesses, education providers, and governments to find the skills and talent they need and enables workers to unlock new career opportunities.

► www.lightcast.io



About CompTIA: The Computing Technology Industry Association (CompTIA) is the world's leading information technology (IT) certification and training body. CompTIA is a mission-driven organization committed to unlocking the potential of every student, career changer or professional seeking to start or advance in a technology career.

► www.comptia.org