



Cybersecurity

ELIGIBILITY (Team of 2)

Open to active SkillsUSA members enrolled in programs with Cybersecurity, Information Security, or Systems and Networking Security Architecture as occupational objectives

CLOTHING REQUIREMENTS

Home school uniform or

For men: Official SkillsUSA white polo shirt with black dress slacks, black socks, and black leather shoes

For women: Official SkillsUSA white polo shirt with black dress slacks or knee-length skirt, black socks or black or skin tone seamless hose and black leather dress shoes

Note: At the district level if a student is not able to wear the official SkillsUSA attire he/she may wear an outfit that would be acceptable in their specific field of study. Please keep in mind that official SkillsUSA attire will be required at the state and national level.

EQUIPMENT AND MATERIALS SUPPLIED BY HOST

1. Autopsy
2. Wireshark
3. Nmap
4. PC
5. Cisco router and switch

EQUIPMENT AND MATERIALS SUPPLIED BY CONTESTANT

1. All students must have a one-page, typewritten resume.
2. Laptop

SCOPE OF THE CONTEST - (DEFINED BY THE NATIONAL COMPETITION REGULATIONS)

(District Competitions are meant to be a scaled down version of National Competition. It is important for the students to participate in a competition that will reflect a cross-section of the industry skills needed to prepare them for the state and national levels)

The scope of the contest is based on a subset of categories from the Framework for Improving Critical Infrastructure Cybersecurity. Specific details on tasks, knowledge, and skills can be found at <https://doi.org/10.6028/NIST.CSWP.04162018>

KNOWLEDGE PERFORMANCE

The contest will include a written exam assessing basic security principles based on the CompTIA Security+ Certification.

SKILL PERFORMANCE

The contest includes securing workstations, servers, network connectivity devices, logging, and Capture the Flag challenges.



Cybersecurity

Cybersecurity Scoring Sheet

Items Evaluated	Possible Points	Contestant Points
Written test	40	
CTF Challenges	12	
Logging	12	
Network Device Security	12	
Workstation Security	12	
Server Security	12	
	Subtotal = 100	
No Resume	Deduction -10	
Clothing Penalty	Dedication -5	
	TOTAL	

Note: No cell phones or other electronic devices may be used at any time during a competition; this includes using a calculator function on a cell phone for competitions in which calculators are permitted.

Note: Scorecards should only be used as guidance. Changes may occur.