

# 2023 SkillsUSA Cybersecurity Scope

## PURPOSE

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism with relation to the entry level digital defensive skills within the field of Cybersecurity

## CLOTHING REQUIREMENT

**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

These regulations refer to clothing items that are pictured and described at: [www.skillsusastore.org](http://www.skillsusastore.org). If you have questions about clothing or other logo items, call (800) 401-1560 or (703) 956-3723

**Note:** Contestants must wear their official contest clothing to the contest orientation meeting

## 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

## EQUIPMENT AND MATERIALS

Equipment and software supplied by hosting school

- Autopsy
- Wireshark
- Nmap
- PC
- Cisco router and switch

Supplied by student

- Laptop
- Resume

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## SCOPE OF THE CONTEST

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>

### Skill Performance

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

### Knowledge Performance

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

### Cybersecurity Scorecard

| Items Evaluated         | Possible Points |
|-------------------------|-----------------|
| CTF Challenges          | 12              |
| Logging                 | 12              |
| Network Device Security | 12              |
| Workstation Security    | 12              |
| Server Security         | 12              |
| Written Exam            | 40              |
| Resume Penalty          | -10             |
| Clothing Penalty        | -5              |
| Total Possible Points   | 100             |