



Cyber Security Contest Information

NO SUBSTITUTIONS WILL BE ALLOWED AFTER FRIDAY, March 28th, 2025 THERE WILL BE NO SUBSTITUTIONS ALLOWED ON-SITE AT THE CONFERENCE

(Revised 3/12/2025)

TIME/DATE/LOCATIONS

The event will be held on Monday, April 28th, 2025, at the Tulsa Tech Riverside Campus in Jenks, OK. Room A155. Contestants must report before 8:00AM for contest check-in and team schedule

TESTING

Contestants will be judged on their SkillsUSA knowledge through the Professional Development test and Cybersecurity Exam knowledge test (comprised of CompTIA Security+ questions). Testing will be completed online and proctored through their technology centers. Online testing opens March 14, 2025, and closes April 4, 2025. No provisions are being made for make-up testing on-site.

RESUME- Change to submission type please for 2025 please read

All contestants will submit a digital resume prior to contest day. Contestants will receive an email to the address used to register the contestant for contest with instructions and link to access the SkillsUSA Competitor Portal page. The email will contain contestant's username and contestant number, which are required to login to the Competitor Portal.

Deadline to submit resume is April 22, 2025

LUNCH

Students will break for lunch at 11:00AM and return at 12 noon, at which time they will resume competition. All contestants will be provided with a box lunch.

CONTEST ATTIRE

Shirt: Official SkillsUSA White Polo Shirt (Tucked In)
Pants: Black Dress Slacks
Belt: Black Dress Belt
Socks: Black Dress Socks
Shoes: Black Dress Shoes

INDUSTRY AWARDS

***** Prizes are the responsibility of the individual contests. Prizes are not guaranteed and are not supplied at the SkillsUSA Oklahoma state level.**

Please contact the chair with prizes that will need to be checked in. **Each participating school is expected to furnish an industry award.** Industry awards should be labeled with the name and address of the award supplier so that an appropriate "Thank you" may be sent, must be accompanied by an *industry award donation information sheet* (available on the Oklahoma SkillsUSA website). **Please bring prizes to the industry awards area at the Arvest Convention Center Conference Hall, Sunday, April 27th between 12-4pm or Monday, April 28th between 8am-4pm.**

AWARDS CEREMONY

Winners will be recognized at the General Session on Tuesday morning, April 29th, at 9am. All competitors must wear official SkillsUSA dress to the Awards Session, where winners are announced. Competitors who are not dressed appropriately or lack official attire will be denied access to the awards stage. Students must be present when their contest is announced. If a student is improperly dressed, absent, or misses their contest being called, the production will not be paused for any reason, and they will forfeit their opportunity to go on stage to receive the award. No exceptions will be made. No hats or sunglasses will be allowed to be worn on stage.

- Official dress for men: Official blazer, jacket or sweater; black dress slacks; white dress shirt; plain black tie with no pattern or SkillsUSA black tie; black socks and black shoes.
- Official dress for women: Official blazer, jacket or sweater; black dress slacks or knee length skirt with business like white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, and black dress shoes

CONTEST DESCRIPTION

This is a team event consisting of two contestants, each from the same division. Contestants are required to be in official contest attire. The contest Chairperson will be discussing expectations of each team and giving them a contest schedule of events for the competition day during the check-in process on the day of competition. Each contestant will be required to bring his or her printed one page resume that meets contest resume guidelines. It will be presented to the judges upon entry to the contest area. A deduction will be applied to the team's overall score if a resume for each contestant is not submitted to the Judges. Equipment checks will be performed upon entry to the contest area to ensure that all contestants are able to access network for Internet connectivity. This will be required to access certain portions of the competition.

Student Provided Resources:

1. Laptop with ethernet (built-in or usb) and power cord [Details below]
2. VMware Workstation Pro
3. Cisco Packet Tracer (Cisco Academy / Skills for All login)
4. Web Browser (Edge, Chrome, Firefox)
5. Any resources or premade virtual machines (Only for the Pentesting Station)
6. 32GB USB 3.0 or higher Flash Drive

Laptop Requirements for each contestant:

Memory:	8GB RAM
Storage:	HDD/SSD with at least 100 GB of free storage space
Network:	Ethernet Gigabit NIC
CPU:	Intel or AMD 64-Bit Processor with Multi-Core and Virtualization Capability
Operating System:	Windows 10 or 11 (64-Bit)
Required Software:	VMware Workstation Pro 17.5.2 (or higher)

Cisco Packet Tracer Version 8.2.2 (or higher)
Web Browsers: Latest versions recommended for Edge, Chrome, or Firefox
Required User Acct: Cisco Academy user account or Cisco Skills for All user account which is necessary to properly use Cisco Packet Tracer
Suggested Software: Virtual Machine using Kali Linux or Parrot OS for use in CTF portion of event. Any additional Software you feel might help you in the CTF event.

Cybersecurity Professional Activities Interview:

Per changes made at the National SkillsUSA conference, the Cybersecurity Professional Activity will consist of each team member being required to participate in an interview about the cybersecurity industry and industry best practices. Contestants will answer interview questions separately from their teammate. The scores of each team member will be compiled together for a team interview score.

Competition Timeline:

Competition will begin on Monday, April 28, 2025 promptly at 8:00AM at the Tulsa Tech Riverside Campus. Each contestant must present the contest chairperson with their resume at contest check-in. Students will break for lunch at 11:00AM and return at 12 noon, at which time they will resume competition. All contestants will be provided with a box lunch. Competition should be complete by approximately 3:00PM.

Cyber Security Competition Stations:

Station 1: Professional Activities

- Team Interviews (Questions about Cybersecurity & Best Industry Practices)
- Resume & Clothing Review (See details in above documentation)

Note: If you don't have all clothing requirements, due the best you can as partial credit will be given on the clothing score. Nationals requires all clothing listed

Station 2: Network Systems Hardening

- Endpoint Security (Windows Client/Workstation VM)
- Server Security (Ubuntu 22.04 LTS Linux VM)

Station 3: Local Network Device Security

- Enterprise Router Security (Cisco Packet Tracer using CLI interface)
- Managed Switch Security (Cisco Packet Tracer using CLI interface)

Station 4: Network Boundary

- Network Boundary/Firewall Security (Cisco Packet Tracer using CLI interface)

Station 5: Scripting for Cybersecurity

- Bash Scripting & automation

Station 6: Wireless and Mobile Device Security

- Wireless and Mobile Device Security (Cisco Packet Tracer - SOHO Device)

Station 7: Digital/Network Forensics

- Wireshark
- Autopsy
- Logs

Station 8: Pentesting & Digital/Network Forensic Activities

- Pentesting/Capture the Flag Activities (Web Exploits, Enumeration, Encoding, Hashing, GIT, Cracking, Ciphers, Netcat, & Reverse Engineering)

Resume Example:

Contestant Name

Physical Home Address

City, State, Zip Code

Phone Number

Email Address

SkillsUSA Framework Experience:

- Personal
 - 1st Example: Display personal responsibility through daily attendance and punctual arrival to Career Tech training program
 - 2nd Example: Able to demonstrate professional behavior through attendance of professional events such as the Oklahoma State Leadership and Skills Conference
- Workplace
 - 1st Example: Have shown teamwork through Cybersecurity event at the Oklahoma State Leadership and Skills Conference
 - 2nd Example: Versed in effective communication skills as shown through discussions with SkillsUSA contest judges and contest teammate
- Technical
 - 1st Example: Skilled in computer and technology literacy as displayed by competing in the Cybersecurity competition at the 2024 Oklahoma SLSC
 - 2nd Example: Educated in job-specific skills as evident by working on various technical stations within the 2024 Oklahoma Cybersecurity SLSC event

Education:

- High School Diploma School Name, City, State Start Date - End Date
- Career Major Name Tech Center Name, City, State Start Date - End Date

Employment:

- Job Title (if possible) Company Name, City, State Start Date - End Date
 - Job Duties
 - Responsibilities
- Volunteer Work Organization Name, City, State Date of Service
 - Services rendered or provided

Activities/Awards/Honors:

- SkillsUSA Membership Years of Membership
- Oklahoma SkillsUSA State Skills Conference Apr. 2024
- Anything Else You Can List Here Dates of Activity

References:

- References Available Upon Request

Resume Requirement:

(Note: Limit Resume to one page only)

Personal Information:

Name, Address, City, State, Zip, Phone, Email

Skills:

Six Total, at least two skills from each of three sections of the SkillsUSA Framework (i.e. Personal, Workplace, & Technical)

Education:

High School and Technology Center

Employment:

Work or at least one Volunteer Activity if no work experience

Activities/Awards/Honors:

List at least SkillsUSA Membership and OK State Conference

References:

At least list "References Available Upon Request"

