



# 2024 Oklahoma SkillsUSA Cybersecurity Competition Memo

(revised 3/1/2024)

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**Location:** The event will be held at the Tulsa Tech Riverside Campus (See Map on last page)

**Event Time:** Contestants must report before 8:00AM for contest check-in and team schedule

**Date:** This contest will be held on Monday, April 22nd, 2024

**Description:**

This is a team event consisting of two contestants, each from the same category such as Secondary or Postsecondary. 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 the WiFi network for Internet connectivity. This will be required to access certain portions of the competition. Each team member will need to bring a laptop with a charging power supply for the competition. The laptops must meet the following requirements:

**Laptop Requirements for each contestant:**

Memory:	8GB RAM
Storage:	HDD/SSD with at least 100 GB of free storage space
Network:	IEEE 802.11n capable or better WiFi 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 Player Version 17.5.0 Cisco Packet Tracer Version 8.2.1
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.
AI Software & Phone:	Any form of Artificial Intelligence (AI) usage along with mobile phones will be allowed during the competition event. Help from another human being other than your teammate is strictly prohibited.

<b><u>Resume Requirement:</u></b>	<b>(Note: Limit Resume to one page only)</b>
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"

**Resume Example:**

Contestant Name

Physical Home Address  
City, State, Zip Code  
Phone Number  
Email Address

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- 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
<ul style="list-style-type: none"> <li>Job Duties</li> <li>Responsibilities</li> </ul>		
Volunteer Work	Organization Name, City, State	Date of Service
<ul style="list-style-type: none"> <li>Services rendered or provided</li> </ul>		

**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

**Clothing Requirement:**

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

**Written Tests/Exams:**

Written testing for most contests will be held ONLINE through your schools' Testing Liaison.

Testing will be open beginning March 13, 2024. The deadline for taking the on-line tests is April 9th, 2024.

No provisions are being made for make-up testing on-site.

No substitutions will be allowed this year after April 5th, 2024.

The written tests will be comprised of two separate tests listed below:

- Oklahoma SkillsUSA Professional Development Exam
- Oklahoma SkillsUSA Cybersecurity Exam (comprised of CompTIA Security+ questions)

**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 22, 2024 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: Exams (Note: Done online at school prior to State Conference)

- Skill Related Exam (CompTIA Security+ type questions)
- SkillsUSA Professional Development Exam

Station 2: Pentesting & Digital/Network Forensic Activities

- Pentesting/Capture the Flag Activities (Web Exploits, Enumeration, Encoding, Hashing, GIT, Cracking, Ciphers, Netcat, & Reverse Engineering)
- Digital/Network Forensic Activity (Investigating & Solving Digital Problem)

Station 3: Network Systems Hardening

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

Station 4: Local Network Device Security

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

Station 5: Network Boundary & Wireless Security

- Network Boundary/Firewall Security (Cisco Packet Tracer using CLI interface)
- Wireless and Mobile Device Security (Cisco Packet Tracer - SOHO Device)

Station 6: 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.

## Awards Ceremony

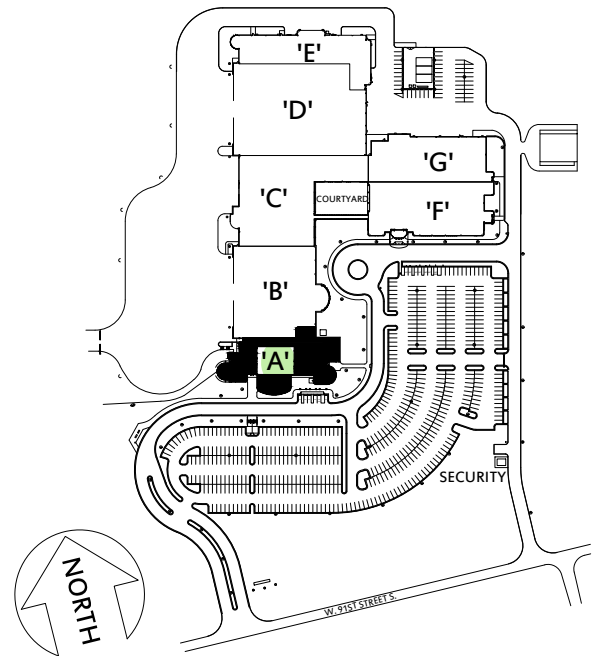
Contest winners will be recognized at the General Session on Tuesday morning, April 23, at 9AM in the Tulsa Convention Center Grand Hall. Contest winners will not be allowed on stage if not in official dress. For men: Official blazer, jacket or sweater; black dress slacks; white dress shirt; plain black tie with no pattern or SkillsUSA black tie; black socks and black shoes. For women: Official blazer, jacket or sweater; black dress slacks or knee-length skirt with businesslike white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, and black dress shoes.

## Competition Location (Map)



RIVERSIDE

801 EAST 91st STREET TULSA, OK



## **Cyber Security Event: Room A155/A156**

