

(320) Computer Security

Certiport Parental Consent Form
REQUIRED

Description & Eligibility

Demonstrate knowledge of fundamental security management tasks in Windows® and Linux® networking environments. Any postsecondary or secondary division contestant may enter this objective event.

Contestant Must Supply

- Published and/or unpublished non-electronic written reference materials.
- Cordless calculator: Electronic devices will be monitored according to ACT standards. See NLC Calculator Guidelines. Contestants who violate this rule will be *disqualified*.

Equipment/Supplies Provided

- Computer and software

Competition Notes

- Method of evaluation: objective.
- Previous Business Professionals of America tests and/or sample tests (handwritten, photocopied or keyed) may not be taken into the testing area. **Violation of this rule will result in disqualification.**
- At NLC, contestants will take IT Specialist - Network Security certification as part of the event. Contestants passing this certification will have 50 points added to their event score. A Certiport profile must be created at www.certiport.com before attending NLC. Contestants must include their BPA contestant ID in their Certiport profile when they register. For more information on the exam, visit www.certiport.com.
 - Reference materials are not allowed for certification testing.
- The top 10 contestants at Nationals will advance to a final round that includes a hands-on component. Scores from the preliminary round and the objective test will not carry over to the finals. Reference materials may be used during the application portion of the final round.
- Length of event
 - **Preliminaries** - No more than sixty (60) minutes for objective test
 - **Finals** - No more than sixty (60) minutes for hands-on tasks
- Entries vary by state.

Contest Competencies

- Demonstrate knowledge of security threats
- Explain infrastructure security
- Demonstrate knowledge of cryptography, encryption, access control, and authentication
- Demonstrate security tactics to prevent against external attack
- Demonstrate knowledge of operational and organization security
- Demonstrate hardening internal Windows and Linux systems and services
- Demonstrate knowledge of TCP/IP
- Demonstrate hardening Internet work devices and services
- Demonstrate knowledge of network defense fundamentals
- Create security policies
- Perform a risk analysis
- Demonstrate knowledge of biometrics
- Demonstrate knowledge of wireless security
- Demonstrate knowledge of Internet security issues
- Manage certificates
- Monitor security infrastructure

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