

2011 Cyber Quests and Cyber Camps FAQ

The U.S. Cyber Challenge-sponsored Cyber Quests are a series of fun and challenging online competitions allowing participants to demonstrate their knowledge in a variety of information security disciplines. The Cyber Quests competition serves as the qualifier for students to be invited to attend one of the 2011 Cyber Camps. The Camps will feature one week of specialized sessions by college faculty, SANS Institute senior instructors and cyber security experts, a job fair, and a “capture the flag” competition with an awards ceremony on the last day.

More details about the Quests and Camps are below.

Cyber Quests FAQ

- **How do I enter to play?**

Register at <http://uscc.cyberquests.org>. Registration opened April 1, 2011 and will close April 30, 2011 at 9:00pm EDT.

- **What information do I need to provide to register?**

To play Cyber Quests, please provide an e-mail address, name, city, country, home address, phone number, and school information when you register.

- **Can I play more than once to improve my score?**

Yes. Each registered user will be able to play up to three times with the highest attempt's score being the final score for that user. Please note that you should only register one time, which will allow you to attempt the quiz three times.

- **I played in the March pilot competition, do I have register again or can I use the same user ID for the April competition?**

You must register again. The user ID is unique to each competition.

- **What online resources can I use to learn more about web information security?**

There are a number of online resources available to learn more about information security; the following sites relate directly to Cyber Quests:

- The SANS Institute Security Resources Page
- The SANS Reading Room
- OWASP
- Insecure.org
- SecLists.org
- ha.ckers.org

- **How much time will I have to complete the Cyber Quests challenge?**

For each of your three attempts, you will have 24 hours from the time you begin the quiz to complete it, and you may only submit your answers once per attempt. For each attempt, if you do not submit the answers within 24 hours of when you start, or by 11:59pm EDT on May 1, 2011 (whichever comes first), you will receive a zero score for that attempt.

- **How is the quiz scored?**

The quiz is a series of multiple answer questions. In some cases more than one answer is correct. In those cases the question will note that. Questions with multiple answers will give partial credit for any correct responses.

- **Can I play with a partner?**

Because invitations to the Camps are granted on an individual basis, we encourage you to play as an individual.

- **Where is the question engine located?**

<http://uscc.cyberquests.org/>

- **What is the Cyber Quests target artifact for analysis?**

The April 2011 Cyber Quests challenge will focus on packet analysis. Participants will be provided a network packet capture file that they must analyze to identify and interpret various types of network traffic including HTTP, SMB/CIFS, DNS, ARP, and ICMP. Participants will have to answer questions about the network itself, as well as the activities of the users on the network. The quiz is designed for an intermediate skill level, and all questions can be answered using the [Wireshark](#) packet analysis tool.

- **What technical resources are required to participate in the Cyber Quests?**

The requirements include: a Web browser and the free Wireshark packet analysis software for Windows, Mac OS X, and Linux (available as a free download at www.wireshark.com). Additionally, some research on the Internet may be required, and of course, creativity!

- **What should my Cyber Quests analysis not include?**

Your analysis should not involve denial of service, nor should it interfere with others participating in the challenge.

- **How well do I have to score to get invited to a Cyber Camp?**

Cyber Quests winners are determined based on who achieves the highest score in the shortest amount of time. In the event of a tie score, the shortest time is the winner.

Cyber Camp FAQ

- **What are the 2011 Cyber Camp locations, dates, types and durations?**

California: July 11 – July 15
Overnight camp with 30 participants

Maryland: July 11 – July 15
Daytime camp with 20 participants; open to high school students only from this state

Missouri: July 25 – July 29
Overnight camp with 100 participants

Virginia: August 1 – 5
Overnight camp with 100 participants

Delaware: August 8 - August 12
Daytime camp with 30 participants

- **Who is eligible to participate in a Cyber Camp?**

Competitors participating in the Cyber Quests held from April 18, 2011 through May 1, 2011 are eligible for the 2011 summer camps. Invitations may be extended to participants from other competitions previously held such as CyberPatriot, National Collegiate Cyber Defense Competition (NCCDC), DC3 and NetWars.

- **Do I need to live in the state that is hosting a Camp?**

Competitors must be 18 years or older (with the exception of the MD camp per below) and reside in the participating state or be attending school in the state as follows:

For the California camp: California, Arizona, Nevada, and Oregon

For the Maryland camp: Maryland high school students

For the Missouri camp: This is a regional camp. The states not included in the CA camp and west of the Mississippi will be included.

For the Virginia camp: This is a regional camp. All states east of the Mississippi with the exception of DE will be included.

Additional criteria may be posted on the respective states' websites:

- California – <http://cba.csupomona.edu/cis/cia/>
- Maryland – <http://www.edtechpolicy.org/cyberk12/mdcyberquests.html>
- Missouri – Coming Soon!
- Virginia – Coming Soon!
- Delaware www.dtcc.edu/terry/cis/cyberchallenge

- **I am no longer in school, but working. May I attend the camps?**

You will need to compete in the Cyber Quests competition. Any additional criteria will be posted at the specific sites for each host school.

Please see:

- California - <http://cba.csupomona.edu/cis/cia/>
- Maryland - <http://www.edtechpolicy.org/cyberk12/mdcyberquests.html>

- Missouri - Coming Soon!
- Virginia - Coming Soon!
- Delaware - www.dtcc.edu/terry/cis/cyberchallenge

- **How will I know if I am selected to participate in the summer camps?**

The competitors and their scores will be forwarded to the appropriate state selecting officials for review and selection. The selecting officials will notify the competitors. For updated status, visit:

- US Cyber Challenge Site: <http://www.uscyberchallenge.org>
- California - <http://cba.csupomona.edu/cis/cia/>
- Maryland - <http://www.edtechpolicy.org/cyberk12/mdcyberquests.html>
- Missouri - Coming Soon!
- Virginia - Coming Soon!
- Delaware - www.dtcc.edu/terry/cis/cyberchallenge

- **If I receive an invitation, will I have to provide additional information?**

Yes. You will be asked to submit a teacher recommendation, if appropriate, along with a short essay explaining why you want to attend the camp.

- **If I am selected, do I have to pay for participating in the Cyber Camps?**

Camp participants will have to pay for their travel to attend the camps. The tuition for the camps is set at \$200 with the overnight camps having room and board fees of \$300. USCC will be providing full scholarships (including room and board) for competitors on the basis of their Cyber Quests scores. Additionally, there will be scholarships for tuition (full and partial) awarded based on your scores, essays, teacher recommendation, and financial need, if appropriate.

- **When will I know if I have received a scholarship to a Camp?**

Within two weeks after the competition, we will send you an email with the scholarship amount you won, based on your score. If you did not receive a full scholarship, the note will tell you how to apply for additional funds.

- **What kind of training and experience will the Camps provide?**

The courses combine specialized training sessions recorded by college faculty, top SANS Institute senior instructors, and cyber security experts from the community. The camps will focus on several topics ranging from intrusion detection, penetration testing and forensics. A competition will be held on the last day of camp.

- **Are there any other activities taking place at the Camps?**

Yes. All camps will include a Job Fair at which participants will have the opportunity to meet the sponsors and discuss potential employment. Other camp activities will include discussion panels and video presentations.

- **What happens after I complete the Cyber Camp?**

The competitors who rise to the top will be invited to continue to participate in the developing Cyber Challenge community. Members of the community will have access to additional educational and employment opportunities such as internships with government entities and/or private industry, grants, or scholarships to study advanced cyber security programs.

- **How can I help?**

If you are interested in sponsoring a cyber camp, please contact Karen S. Evans, National Director, U.S. Cyber Challenge at kevans@uscyberchallenge.org.