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CYBER SKYLINE

The National Cyber League
A Community Where Cybersecurity Is a Passion

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NCL Spring 2022 Team Game Scouting Report

Dear Jacob Crowder (Team "[C5T] @ Chemeketa Community College"),

Thank you for participating in the National Cyber League (NCL) 2022 Spring Season! Our goal is to prepare the next generation of cybersecurity professionals, and your participation is helping achieve that goal.

The NCL was founded in May 2011 to provide an ongoing virtual training ground for collegiate students to develop, practice, and validate their cybersecurity skills in preparation for further learning, industry certifications, and career readiness. The NCL scenario-based challenges were designed around performance-based exam objectives of CompTIA certifications and are aligned to the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework published by the National Institute of Standards and Technology (NIST).

As you look to a future career in cybersecurity, we hope you find this report to be valuable in both validating skills and identifying areas for improvement across the nine NCL skills categories. You can use this NCL Scouting Report to:

- Validate your skills to employers in any job application or professional portfolio;
- Show case your achievements and strengths by including the Score Card view of your performance as part of your résumé or simply sharing the validation link so that others may view the detailed version of this report.

The NCL 2022 Spring Season had 6,610 students/players and 468 faculty/coaches from more than 500 two- and four-year schools & 80 high schools across all 50 U.S. states registered to play. The Individual Game Capture the Flag (CTF) event took place from April 8 through April 10. The Team Game CTF event took place from April 22 through April 24. The games were conducted in real-time for students across the country.

NCL is powered by Cyber Skyline's cloud-based skills evaluation platform. Cyber Skyline hosted the scenario-driven cybersecurity challenges for players to compete and track their progress in real-time.



To validate this report, please access: cyberskyline.com/report/WA470F2QNETC



Based on the the performance detailed in this NCL Scouting Report, you have earned **3 hours** of Continuing Education Units (CEUs) as approved by CompTIA. You can learn more about the NCL - CompTIA alignment via nationalcyberleague.org/comptia.

Congratulations for your participation in the NCL 2022 Spring Team Game! We hope you will continue to develop your knowledge and skills and make meaningful contributions as part of the Information Security workforce!

David Zeichick
NCL Commissioner



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CYBER SKYLINE

NATIONAL CYBER LEAGUE SCORE CARD

NCL 2022 SPRING TEAM GAME

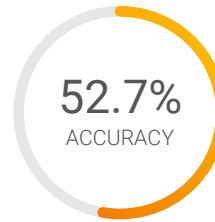
YOUR TOP CATEGORIES

**PASSWORD
CRACKING**
99TH PERCENTILE

**SCANNING &
RECONNAISSANCE**
97TH PERCENTILE

**ENUMERATION &
EXPLOITATION**
97TH PERCENTILE

NATIONAL RANK
149TH PLACE
OUT OF 3658
PERCENTILE
96TH



Average: 60.8%

[cyberskyline.com/report](https://cyberskyline.com/report/WA470F2QNETC)
ID: WA470F2QNETC



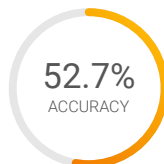
NCL Spring 2022 Team Game

The NCL Team Game is designed for student players nationwide to compete in realtime in the categories listed below. The Team Game promotes camaraderie and evaluates the collective technical cybersecurity skills of the team members.

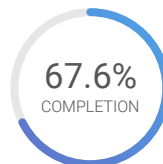
149TH PLACE
OUT OF 3658
NATIONAL RANK

1745 POINTS
OUT OF 3000
PERFORMANCE SCORE

Average: 876.5 Points



Average: 60.8%



Average: 35.7%

96th National
Percentile

Cryptography

180 POINTS
OUT OF 345

90.9%
ACCURACY

COMPLETION: **83.3%**

Identify techniques used to encrypt or obfuscate messages and leverage tools to extract the plaintext.

Enumeration & Exploitation

155 POINTS
OUT OF 370

88.9%
ACCURACY

COMPLETION: **47.1%**

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in code and compiled binaries.

Forensics

190 POINTS
OUT OF 300

64.3%
ACCURACY

COMPLETION: **60.0%**

Utilize the proper tools and techniques to analyze, process, recover, and/or investigate digital evidence in a computer-related incident.

Log Analysis

130 POINTS
OUT OF 300

19.6%
ACCURACY

COMPLETION: **42.9%**

Utilize the proper tools and techniques to establish a baseline for normal operation and identify malicious activities using log files from various services.

Network Traffic Analysis

175 POINTS
OUT OF 345

43.3%
ACCURACY

COMPLETION: **61.9%**

Identify malicious and benign network traffic to demonstrate an understanding of potential security breaches.

Open Source Intelligence

300 POINTS
OUT OF 300

50.0%
ACCURACY

COMPLETION: **100.0%**

Utilize publicly available information such as search engines, public repositories, social media, and more to gain in-depth knowledge on a topic or target.

Password Cracking

260 POINTS
OUT OF 340

100.0%
ACCURACY

COMPLETION: **91.7%**

Identify types of password hashes and apply various techniques to efficiently determine plaintext passwords.

Scanning & Reconnaissance

220 POINTS
OUT OF 300

62.5%
ACCURACY

COMPLETION: **83.3%**

Identify and use the proper tools to gain intelligence about a target including its services and potential vulnerabilities.

Web Application Exploitation

35 POINTS
OUT OF 300

28.6%
ACCURACY

COMPLETION: **25.0%**

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in online services.

Note: Survey module (100 points) was excluded from this report.



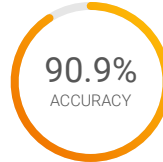


Cryptography Module

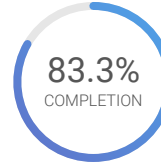
Identify techniques used to encrypt or obfuscate messages and leverage tools to extract the plaintext.

158 TH PLACE
OUT OF 3658
NATIONAL RANK

180 POINTS
OUT OF 345
PERFORMANCE SCORE



Average: 74.2%



Average: 55.7%

Security Control Assessor
Secure Software Assessor
Exploitation Analyst
Cyber Operator
Security Architect

96th National
Percentile

Average: 116.7 Points

Decoding 1 (Easy)	20 POINTS OUT OF 20	100.0% ACCURACY	COMPLETION: 100.0%
Decoding 2 (Easy)	20 POINTS OUT OF 20	100.0% ACCURACY	COMPLETION: 100.0%
Decoding 3 (Medium)	35 POINTS OUT OF 35	100.0% ACCURACY	COMPLETION: 100.0%
Decoding 4 (Medium)	45 POINTS OUT OF 45	100.0% ACCURACY	COMPLETION: 100.0%
Decoding 5 (Hard)	0 POINTS OUT OF 100	0.0% ACCURACY	COMPLETION: 0.0%
Stego (Medium)	50 POINTS OUT OF 50	100.0% ACCURACY	COMPLETION: 100.0%
Signature (Hard)	10 POINTS OUT OF 75	100.0% ACCURACY	COMPLETION: 50.0%





Enumeration & Exploitation Module

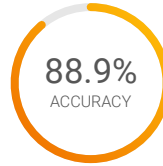
Identify actionable exploits and vulnerabilities and use them to bypass the security measures in code and compiled binaries.

143 RD PLACE
OUT OF 3658
NATIONAL RANK

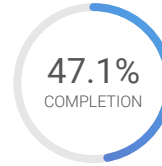
97th National
Percentile

155 POINTS
OUT OF 370
PERFORMANCE SCORE

Average: 99.4 Points



Average: 60.9%



Average: 35.1%

Cyber Operator
Target Developer
Exploitation Analyst
Software Developer
Systems Security Analyst

Secure Server (Easy)

80 POINTS
OUT OF 80

100.0%
ACCURACY

COMPLETION: 100.0%

dSafe (Medium)

25 POINTS
OUT OF 90

100.0%
ACCURACY

COMPLETION: 75.0%

Hidden (Hard)

0 POINTS
OUT OF 100

0.0%
ACCURACY

COMPLETION: 0.0%

Speedy (Hard)

50 POINTS
OUT OF 100

80.0%
ACCURACY

COMPLETION: 66.7%

Forensics Module

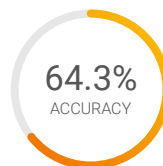
Utilize the proper tools and techniques to analyze, process, recover, and/or investigate digital evidence in a computer-related incident.

229 TH PLACE
OUT OF 3658
NATIONAL RANK

94th National
Percentile

190 POINTS
OUT OF 300
PERFORMANCE SCORE

Average: 154.7 Points



Average: 64.8%



Average: 36.8%

Cyber Defense Forensics
Analyst
Cyber Crime Investigator
Cyber Defense Incident
Responder
Cyber Defense Analyst

Leaky (Easy)

100 POINTS
OUT OF 100

100.0%
ACCURACY

COMPLETION: 100.0%

Registry (Medium)

40 POINTS
OUT OF 100

60.0%
ACCURACY

COMPLETION: 50.0%

Dump (Hard)

50 POINTS
OUT OF 100

62.5%
ACCURACY

COMPLETION: 62.5%





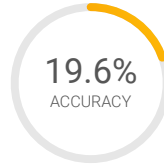
Log Analysis Module

Utilize the proper tools and techniques to establish a baseline for normal operation and identify malicious activities using log files from various services.

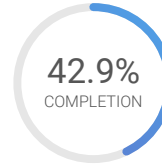
256 TH PLACE
OUT OF 3658
NATIONAL RANK

130 POINTS
OUT OF 300
PERFORMANCE SCORE

Average: 106.5 Points



Average: 41.0%



Average: 34.4%

Cyber Defense Analyst
Systems Security Analyst
All-Source Analyst
Cyber Defense Forensics
Analyst
Data Analyst

94th National
Percentile

Entertainment (Easy)

80 POINTS
OUT OF 100

37.5%
ACCURACY

COMPLETION: **85.7%**

Eventful (Medium)

50 POINTS
OUT OF 100

17.6%
ACCURACY

COMPLETION: **50.0%**

Oddball (Hard)

0 POINTS
OUT OF 100

0.0%
ACCURACY

COMPLETION: **0.0%**

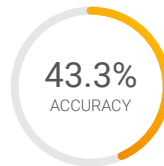
Network Traffic Analysis Module

Identify malicious and benign network traffic to demonstrate an understanding of potential security breaches.

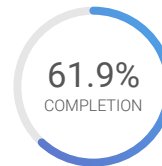
249 TH PLACE
OUT OF 3658
NATIONAL RANK

175 POINTS
OUT OF 345
PERFORMANCE SCORE

Average: 138.6 Points



Average: 48.6%



Average: 45.4%

Cyber Defense Analyst
All-Source Analyst
Cyber Defense Incident
Responder
Target Network Analyst
Cyber Operator

94th National
Percentile

Shell (Easy)

70 POINTS
OUT OF 70

71.4%
ACCURACY

COMPLETION: **100.0%**

Corp Net (Medium)

60 POINTS
OUT OF 100

40.0%
ACCURACY

COMPLETION: **66.7%**

Wifi Cracking (Medium)

35 POINTS
OUT OF 75

50.0%
ACCURACY

COMPLETION: **75.0%**

Stream (Hard)

10 POINTS
OUT OF 100

14.3%
ACCURACY

COMPLETION: **16.7%**



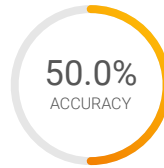


Open Source Intelligence Module

Utilize publicly available information such as search engines, public repositories, social media, and more to gain in-depth knowledge on a topic or target.

224TH PLACE
OUT OF 3658
NATIONAL RANK

300 POINTS
OUT OF 300
PERFORMANCE SCORE



Average: 63.1%



Average: 77.5%

Systems Security Analyst
Target Developer
System Administrator
Research & Development
Specialist
Cyber Intel Planner

94th National
Percentile

Average: 182.7 Points

Rules of Conduct (Easy)

25 POINTS
OUT OF 25

100.0%
ACCURACY

COMPLETION: **100.0%**

Blockchain (Easy)

65 POINTS
OUT OF 65

33.3%
ACCURACY

COMPLETION: **100.0%**

Use online resources to identify stolen funds on the blockchain

Banking (Medium)

50 POINTS
OUT OF 50

100.0%
ACCURACY

COMPLETION: **100.0%**

License (Medium)

60 POINTS
OUT OF 60

100.0%
ACCURACY

COMPLETION: **100.0%**

Rendezvous (Hard)

100 POINTS
OUT OF 100

12.5%
ACCURACY

COMPLETION: **100.0%**





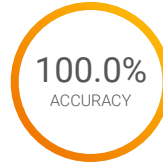
Password Cracking Module

Identify types of password hashes and apply various techniques to efficiently determine plaintext passwords.

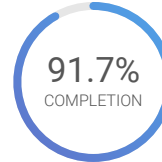
42 ND PLACE
OUT OF 3658
NATIONAL RANK

260 POINTS
OUT OF 340
PERFORMANCE SCORE

Average: 157.3 Points



Average: 88.2%



Average: 58.5%

Cyber Operator
Exploitation Analyst
Systems Security Analyst
Cyber Defense Incident
Responder
Cyber Crime Investigator

99th National
Percentile

Cracking 1 (Easy)

Crack MD5 password hashes from a known wordlist

30 POINTS
OUT OF 30

100.0%
ACCURACY

COMPLETION: **100.0%**

Cracking 2 (Easy)

Crack SHA1 password hashes from a known wordlist

30 POINTS
OUT OF 30

100.0%
ACCURACY

COMPLETION: **100.0%**

Cracking 3 (Easy)

Crack Windows NTLM password hashes

30 POINTS
OUT OF 30

100.0%
ACCURACY

COMPLETION: **100.0%**

Cracking 4 (Medium)

Extract and crack a wordpress admin password from a database dump

30 POINTS
OUT OF 30

100.0%
ACCURACY

COMPLETION: **100.0%**

Cracking 5 (Medium)

Build a wordlist to crack passwords following a specific pattern

50 POINTS
OUT OF 50

100.0%
ACCURACY

COMPLETION: **100.0%**

Cracking 6 (Hard)

Build a wordlist to crack passwords not found in common wordlists

65 POINTS
OUT OF 145

100.0%
ACCURACY

COMPLETION: **71.4%**

Zip (Medium)

Crack the password of a ZIP archive file

25 POINTS
OUT OF 25

100.0%
ACCURACY

COMPLETION: **100.0%**





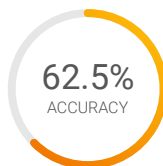
Scanning & Reconnaissance Module

Identify and use the proper tools to gain intelligence about a target including its services and potential vulnerabilities.

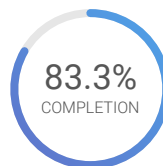
116 TH PLACE
OUT OF 3658
NATIONAL RANK

220 POINTS
OUT OF 300
PERFORMANCE SCORE

Average: 125.7 Points



Average: 62.9%



Average: 36.7%

Vulnerability Assessment
Analyst
Target Network Analyst
Cyber Operations Planner
Target Developer
Security Control Assessor

97th National
Percentile

Seeking (Easy)

100 POINTS
OUT OF 100

100.0%
ACCURACY

COMPLETION: **100.0%**

Public (Medium)

100 POINTS
OUT OF 100

100.0%
ACCURACY

COMPLETION: **100.0%**

Key (Hard)

20 POINTS
OUT OF 100

25.0%
ACCURACY

COMPLETION: **50.0%**

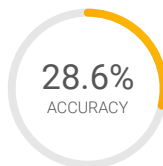
Web Application Exploitation Module

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in online services.

186 TH PLACE
OUT OF 3658
NATIONAL RANK

35 POINTS
OUT OF 300
PERFORMANCE SCORE

Average: 43.6 Points



Average: 58.2%



Average: 25.7%

Cyber Operator
Software Developer
Exploitation Analyst
Systems Security Analyst
Database Administrator

95th National
Percentile

Net Admin (Easy)

25 POINTS
OUT OF 100

100.0%
ACCURACY

COMPLETION: **50.0%**

Travel Agency (Medium)

0 POINTS
OUT OF 100

0.0%
ACCURACY

COMPLETION: **0.0%**

Search (Hard)

10 POINTS
OUT OF 100

16.7%
ACCURACY

COMPLETION: **25.0%**

