



CYBERSECURITY LEVEL 2 CERTIFICATION

**Industry-Relevant
Programming Certification
for High School**

codehs.com | hello@codehs.com

Why Offer Certifications?

By helping set students up for success, CodeHS Certifications provide verification that your students have learned industry-relevant skills from a secure, comprehensive exam.

Building skill credibility for students and future employers will also boost your district's computer science program.



Verify Industry-Relevant Skills & Knowledge



Develop a Professional Online Footprint



Build Skill Credibility for Future Employers

Certification Journey

STEP 1

Complete a CodeHS course.

STEP 2

Practice for the exam.

STEP 3

Set an exam date with your teacher.

STEP 4

Pass exam, tell the world!



CodeHS

Cybersecurity Level 2 Certification Exam

The CodeHS Cybersecurity Level 2 Certification Exam proves students' understanding of advanced cybersecurity topics and concepts. This certification can serve as a stepping stone for students' career aspirations and help build cybersecurity skill credibility.

Exam Details



Format: 45 Multiple Choice Questions



Delivery Method: Online Timed Exam



Cost: Request a quote to discuss pricing options for your school or district.



Prerequisites

There are no prerequisites to take the CodeHS Java Level 1 Certification Exam. We recommend that students take the CodeHS AP CSA (Java) Course to fully prepare for the exam.



Topics & Concepts Covered

Advanced Cryptography

- Block and Transposition Ciphers
- Asymmetric and Symmetric Encryption
- Public Key Cryptography
- Hash Functions
- Digital Certificates

Advanced Networking

- Network Devices (IDS, IPS, UTM)
- Access Control
- Physical Security (Biometrics, Mantrap, etc)
- Environmental Controls
- Ports and Protocols (TCP, UDP)
- Wireless Protocols (802.11ac, etc)
- Private Networks (DMZ, VPN, MAC filtering)
- Mobile Device Security

Cyber Defense

- Threats, vulnerabilities, and exploits
- Malware Types and Prevention (Trojan, worm, rootkit, etc)
- Network Attacks (Cross-Site Scripting, DDos, Botnet, etc)
- Internal Attacks (BIOS, UEFI, DLP)

Documentation

- Change Management
- Incident Response Plans
- Software Licenses
- Data Policy, Privacy and Protection

Risk Management

- Types of Vulnerabilities
- Risk Assessment
- Risk Response
- Penetration Testing





How to Bring Certifications to Your School

REQUEST A QUOTE

codehs.com/learnmore

Questions?

Contact the CodeHS Team at hello@codehs.com.