



CYBERSECURITY LEVEL 1 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 1 Certification Exam

The CodeHS Cybersecurity Level 1 Certification Exam proves students' foundational understanding of Cybersecurity topics and concepts. This certification can serve as a stepping stone for students' career aspirations and help build programming 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 Cybersecurity Level 1 Exam. We recommend that students take the CodeHS Introduction to Cybersecurity course to fully prepare for the exam.



Topics & Concepts Covered

Cybersecurity Essentials

- Ransomware
- Phishing
- Internet of Things
- The CIA Triad
- Cyber Ethics
- Credit and Copyright
- Legal vs. Illegal Hacking

System Administration

- Operating Systems
- Software & Software Licenses
- Application Security
- Browsers
- System Administration
- Command Line System

Cryptography

- Basic Cryptography
- Code Breaking
- Brute Force
- Frequency Analysis
- Caesar Cipher
- Vigenere Cipher

Digital Safety and Data Security

- Digital Footprint
- Cyberbullying
- Internet Safety
- Clients and Servers
- SQL Queries
- SQL Injection
- Developer Tools



Topics & Concepts Covered Cont.

Programming

Fundamentals

- Variables
- Data Types
- Functions
- Looping
- Branching
- Arrays
- Objects

IT Concepts

- Internet Addresses
- IPv4 and IPv6
- DNS Hierarchy
- Routing
- Packets and Protocols

IT Infrastructure

- Internal Components
- Peripheral Devices
- Network Devices
- Storage Options
- Network Options
- Network Communication
- Network Management





How to Bring Certifications to Your School

REQUEST A QUOTE

codehs.com/learnmore

Questions?

Contact the CodeHS Team at hello@codehs.com.