



## CYBERSECURITY LEVEL 1 CERTIFICATION

Industry-Relevant  
Programming Certification  
for High School

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## 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!



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# 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 Fundamentals of Cybersecurity course to fully prepare for the exam.



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# 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

## IT Concepts

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

## 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

## IT Infrastructure

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



# Why Choose CodeHS Certifications?



## Secure Test Environment

Cheat prevention settings like focus mode, question randomizer, and time limits



## Fast Results

Exams scored and returned within 36 hours



## Comprehensive Preparation

Includes additional practice problems and exams



## Detailed Reporting

In-depth exam reports by student, section, and topic



## Shareable Achievement

Verifiable digital certificates for students who pass



## How to Bring Certifications to Your School

**REQUEST A QUOTE**

[codehs.com/learnmore](https://codehs.com/learnmore)

### Questions?

Contact the CodeHS Team at [hello@codehs.com](mailto:hello@codehs.com).



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