Cyber Secure Coder (CSC)

Category: Networking & Security | **Vendor:** CertNexus

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Cyber Secure Coder (CSC)
Related Exam:	CSC-210

Course Overview

Over 80% of security breaches exploit software vulnerabilities, yet most teams address security after the code is written, leaving organizations at risk. The Cyber Secure Coder (CSC) course empowers software developers, testers, and architects to build secure, resilient applications by integrating security into every phase of the software development lifecycle. The CertNexus Cyber Secure Coder (CSC) program guides you through the entire software development lifecycle, emphasizing a security-by-design approach to reduce the risk of security defects, misconfiguration, and vulnerabilities that can undermine your code. Through hands-on labs and real-world scenarios, you'll learn to eliminate vulnerabilities, find and correct security defects, and design a secure architecture for both new and deployed software. CSC-210 covers secure coding practices, vulnerability assessment, threat modeling, and strategies for maintaining software security long after deployment.

About This Course

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Who Should Attend

This course is designed for software developers, testers, and architects who design and develop software in various programming languages and platforms, including desktop, web, cloud, and mobile, and who want to improve their ability to deliver software that is of high quality, particularly regarding security and privacy. This course is also designed for students who are seeking the CertNexus Cyber Secure Coder (CSC) Exam CSC-210 certification.

Prerequisites & Entry Requirements

General Prerequisites:

This course presents secure programming concepts that apply to many different types of software development projects. Although this course uses Python®, HTML, and JavaScript® to demonstrate various programming concepts, you do not need to have experience in these languages to benefit from this course. However, you should have some programming experience, whether it be developing desktop, mobile, web, or cloud applications.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course provides the skills and strategies to create secure software and manage risk at every stage. You will learn to: Employ secure software development best practices Identify security requirements for your projects Eliminate vulnerabilities and misconfigurations in code Use a security-by-design approach to architect secure systems Protect users and sensitive data with common controls Apply testing methods to find and fix security defects Maintain deployed software to ensure ongoing security

Detailed Course Outline

1 – Identify Security Requirements and Expectations

- Security throughout the development process
- Business, compliance, and user requirements
- Identifying factors undermining software security
- Recognizing vulnerabilities and attack patterns
- Gathering vulnerability intelligence

2 – Handling Vulnerabilities

- Addressing software defects and misconfiguration
- Managing risks from third-party code
- Handling human factors and social engineering
- Improving development process security

3 – Designing for Security

- Applying secure design principles (OWASP, defense in depth, least privilege)
- Threat modeling and risk assessment
- Identifying and countering specific threats

4 – Developing Secure Code

- Secure coding best practices and checklists
- Avoiding common programming errors (buffer overflows, input validation, etc.)
- Preventing platform, privacy, and web/mobile vulnerabilities

5 – Implementing Common Protections

- Access control, authentication, and session management
- Protecting data in transit and at rest (encryption, PKI)
- Secure error handling, logging, and output restrictions
- Preventing SQL injection and securing database access

6 – Testing Software Security

- Security testing phases and strategies
- Static and dynamic code analysis
- Automated tools for vulnerability detection

7 – Maintaining Security in Deployed Software

- Monitoring and logging applications
- Ongoing patch management and maintenance
- Secure deprovisioning and uninstallation

□□ Certification Path

Cyber Secure Coder (CSC)

Exam: CSC-210

Upcoming Schedule

Available training dates for Cyber Secure Coder (CSC):

Start Date	End Date	Location	Delivery	Price
11 Jan 2027	13 Jan 2027	Online	Virtual	€2,085.00

Frequently Asked Questions

Q: What delivery options are available for Cyber Secure Coder (CSC)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Cyber Secure Coder (CSC) course helps prepare you for the Cyber Secure Coder (CSC) certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the CSC-210 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day Cyber Secure Coder (CSC) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Cyber Secure Coder (CSC) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Cyber Secure Coder (CSC)?

Yes, we provide corporate training, dedicated training, and closed classes for Cyber Secure Coder (CSC). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Cyber Secure Coder (CSC)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Cyber Secure Coder (CSC) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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