



# **TRAINING OVERVIEW**

**CYBER BRAIN ACADEMY, LLC**

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## 1.0 Company Overview

Cyber Brain Academy is a veteran-owned small business headquartered in San Diego, California. We are an experienced IT training company that expertly prepares cyber security professionals for the (ISC)<sup>2</sup> Certified Information Systems Security Professional (CISSP) examination. Cyber Brain Academy is an (ISC)<sup>2</sup> Official Training Provider with an exceptional staff of instructors, who are licensed and certified through (ISC)<sup>2</sup> to provide you the CISSP training you deserve.



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Cyber Brain Academy is the product of years of research and collaboration with expert cyber security professionals and members of academia. Our team spent over two years working with educators and assessment specialists to design a complete and effective cyber security education experience. Our innovative approach to learning earned us the award of **Most Innovative Cyber Security Training Provider – USA!**

## 2.0 CISSP Training Course

The Certified Information Systems Security Professional (CISSP) is the most globally recognized certification in the information security market. CISSP validates an information security professional's deep technical and managerial knowledge and experience to effectively design, engineer, and manage the overall security posture of an organization. A candidate that does not have the required experience to become a CISSP may become an Associate of (ISC)<sup>2</sup> by successfully passing the CISSP examination.



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### 2.1 Scope

Cyber Brain Academy will proudly provide you with a five day live-online, instructor-led CISSP training experience. Our CISSP instructor and course materials will provide you with in-depth, technical CISSP domain knowledge that covers Security and Risk Management, Asset Security, Security Architecture and Engineering, Communication and Network Security, Identity and Access Management (IAM), Security Assessment and Testing, Security Operations, and Software Development Security.

### 2.2 Our Approach to Training

Cyber Brain Academy provides a comprehensive CISSP training experience by conducting our training in three phases – Pre-Training, Live-Online CISSP Training, and Post-Training – to ensure optimum success.



### 2.2.1 Phase 1: Pre-Training

Phase 1 consists of early access to Cyber Brain Academy's award winning and proprietary CISSP courseware. Our digital CISSP courseware includes 40+ hours of digital video content, over 800 CISSP domain-specific quiz questions, and 150+ pages of downloadable notes. You will be given access to our digital CISSP courseware 14 days prior to the beginning of your training experience and continued access for six months.

Our proprietary CISSP courseware mirrors the CISSP exam outline and permits early exposure to the CISSP exam content. This allows for an engaging learning experience and increased competency during Phase 2.

### 2.2.2 Phase 2: Five Day Live-Online, Instructor-led CISSP Training

Phase 2 consists of comprehensive instruction by our (ISC)<sup>2</sup> authorized instructor. Your five day live-online training session consists of engaging training material, practice questions, daily-recaps, and question and answer sessions between you and our experienced instructor.

Please refer to the training schedule highlighted in Appendix A ([Table 1.0 – Schedule of Live-Online CISSP Training Session](#)) for a detailed breakdown of course topics and activities.

### 2.2.3 Phase 3: Post-Training

Phase 3 consists of reviewing your gained competency through our on-demand CISSP courseware. Within each of the included 65 lessons are knowledge check questions that assess your understanding of each CISSP domain topic. This advantage allows you to retain knowledge and gain confidence prior to taking the CISSP exam.

Each of the 65 lessons within our online courseware contains a comments section where you can post your questions directly to our CISSP instructor network. Our digital courseware is accredited for 40 Continuing Professional Education (CPE) credits, the annual requirement to maintain a CISSP designation. This is a feature only provided through Cyber Brain Academy and demonstrates our ongoing commitment to you.

### 2.2.4 Our Students Say It Best

“I have been to several bootcamps while in the US Navy but the training I received from Cyber Brain Academy is the best that I have experienced by far.”

– **William Mills, US Navy**

“I passed the CISSP exam on my first try! I highly recommend Cyber Brain Academy for those preparing for the CISSP exam. Thank you again!”

– **Gustavo Argote, Booz Allen Hamilton**

“I passed the CISSP exam on my first try thanks to the training I received from Cyber Brain Academy!”

- **Daniel Roberti, US Army National Guard**

“Cyber Brain Academy's CISSP course exceeded my expectations. I passed the CISSP exam on my first attempt!”

- **Asanka Nanayakkara, US Army Reserves**



## 3.0 Our Educators

Cyber Brain Academy provides only highly screened instructors that are licensed and authorized to teach our students. As a veteran-owned small business, Cyber Brain Academy takes pride in prioritizing former military professionals who have met our rigorous requirements and civilians who have made significant contributions to our military by providing our brave service members with education and professional development services.

### 3.1 Evaluation Criteria

Only (ISC)<sup>2</sup> authorized instructors may teach for Cyber Brain Academy. Each of Cyber Brain Academy's instructors possesses a minimum of 15 years of relevant IT experience, five years of teaching experience and a master's level education.

## 4.0 Course Materials

Cyber Brain Academy will provide you the following course materials for your live-online CISSP training experience:

- (ISC)<sup>2</sup> Authorized CISSP Instructor
- Official (ISC)<sup>2</sup> CISSP Exam Study Guide
- Official (ISC)<sup>2</sup> CISSP Official Practice Tests
- Official (ISC)<sup>2</sup> CISSP Flash Cards
- Six Month Access to Cyber Brain Academy's Proprietary CISSP Courseware
- (ISC)<sup>2</sup> Certified Information Systems Security Professional (CISSP) Exam Voucher

## 5.0 Customer Service

Cyber Brain Academy provides you with a customer engagement specialist throughout the duration of your CISSP training session, at no additional cost.

Cyber Brain Academy is dedicated to your satisfaction. After you complete your five days of instructor-led training, our engagement specialist will contact you with an optional survey to help us evaluate both our curriculum and instructors, to ensure that we maintain the highest standard of quality.



## Appendix

Schedule	CISSP Domains	Topics Covered
Day 1	Introductions	<ul style="list-style-type: none"><li>• Introductions and review of exam objectives</li></ul>
	Security and Risk Management	<ul style="list-style-type: none"><li>• Confidentiality, integrity, and availability concepts</li><li>• Security governance principles</li><li>• Compliance</li><li>• Legal and Regulatory Issues</li><li>• Professional ethics</li><li>• Security policies, standards, procedures and guidelines</li><li>• Q&amp;A</li></ul>
	Asset Security	<ul style="list-style-type: none"><li>• Information and asset classification</li><li>• Ownership (e.g., data owners, system owners)</li><li>• Protect privacy</li><li>• Appropriate retention</li><li>• Data security controls</li><li>• Handling requirements</li><li>• Q&amp;A</li></ul>
Day 2	Security Engineering	<ul style="list-style-type: none"><li>• Recap</li><li>• Engineering processes using secure design principles</li><li>• Fundamental concepts of security models</li><li>• Security evaluation models</li><li>• Security capabilities of information systems</li><li>• Security architectures, designs and solution elements vulnerabilities</li><li>• Web-based systems vulnerabilities</li><li>• Mobile systems vulnerabilities</li><li>• Embedded devices and cyber-physical systems vulnerabilities</li><li>• Cryptography</li><li>• Site and facility design secure principles</li><li>• Physical security</li><li>• Q&amp;A</li></ul>
Day 3	Communication and Network Security	<ul style="list-style-type: none"><li>• Recap</li><li>• Secure network architecture design</li><li>• Secure network components</li><li>• Secure communication channels</li><li>• Network attacks</li><li>• Q&amp;A</li></ul>
	Identity and Access Management	<ul style="list-style-type: none"><li>• Physical and logical assets control</li><li>• Identification and authentication of people and devices</li><li>• Identity as a service (e.g., cloud identity)</li><li>• Third-party identity services (e.g., on-premise)</li><li>• Access control attacks</li><li>• Identity and access provisioning lifecycle</li><li>• Q&amp;A</li></ul>



<b>Day 4</b>	Security Assessment and Testing	<ul style="list-style-type: none"><li>• Recap</li><li>• Assessment and test strategies</li><li>• Security process data (e.g., management and operational controls)</li><li>• Security control testing</li><li>• Test outputs (e.g., automated, manual)</li><li>• Security architecture vulnerabilities</li><li>• Q&amp;A</li></ul>
	Security Operations	<ul style="list-style-type: none"><li>• Investigations support and requirements</li><li>• Logging and monitoring activities</li><li>• Provisioning of resources</li><li>• Foundational security operations concepts</li><li>• Resource protection techniques</li><li>• Incident management</li><li>• Preventative measures</li><li>• Patch and vulnerability management</li><li>• Change management processes</li><li>• Recovery strategies</li><li>• Disaster recovery processes and plans</li><li>• Business continuity planning and exercises</li><li>• Physical security</li><li>• Personnel safety concerns</li><li>• Q&amp;A</li></ul>
<b>Day 5</b>	Software Development Security	<ul style="list-style-type: none"><li>• Recap</li><li>• Security in the software development lifecycle</li><li>• Development environment security controls</li><li>• Software security effectiveness</li><li>• Acquired software security impact</li><li>• Q&amp;A</li></ul>
	Domain Review	<ul style="list-style-type: none"><li>• Review of all topics</li><li>• Final Q&amp;A</li></ul>

**Table 1.0 – Schedule of Live-Online CISSP Training Session**