



CYBER DEFENSE ANALYST (CDA) COURSE INFORMATION

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GENERAL COURSE INFORMATION

Purpose:	<p>The CDA course will provide an overview of the roles and responsibilities of a Cyber Defense Analyst (CDA).</p> <p>Note that the examples provided in this course are created for training purposes only and do not endorse a commercial entity or its products or services.</p>
Terminal Learning Objectives:	<ul style="list-style-type: none"> • Identify relevant cybersecurity governance • Identify basic network concepts and protocols • Associate how computer algorithms affect OS selection • Identify basic host concepts, types, OSs, and functions • Identify characteristics of PIT systems • Identify secure and observable operational practices along with analysis methods for monitoring them • Carry out end-to-end system performance monitoring • Identify basic cybersecurity concepts • Identify current/emerging cyber defense and vulnerability tools by their descriptions, capabilities, techniques, and operational use • Identify basic access control and encryption concepts and methods • Identify basic risk management processes, constituents, reviews, and mitigations • Identify adversary generations, common Tactics, Techniques, and Procedures (TTPs), kill chain phases, and analysis processes • Identify methods to defend the network
Audience:	<p>The audience for this course includes members of the DoD cyber workforce who need to carry out the functions of a CDA.</p>
Estimated Duration:	<p>40 hours</p>

COURSE INTERFACE FEATURES

The course interface contains the following navigational controls:

	<p>Menu</p> <p>The Menu icon opens a side panel in your browser window with tabs for Menu and Transcript.</p> <p>Select Menu to view the module's lesson and screen titles. Screens you have already viewed will be marked with a check mark while screens you have not yet viewed will show a lock icon. You may use this Menu to navigate to any unlocked screen in the module.</p> <p>Select Transcript to display the entire narration script for the screen in the side panel.</p>
	<p>Information</p> <p>Select Information to access this PDF containing details about the course, including course information, course interface features, accessibility features, keyboard navigation, and system specifications.</p>
	<p>Audio Description</p> <p>Select Audio Description to toggle on/off audio narration with synchronized integrated screen descriptions.</p>
	<p>Resources</p> <p>Select Resources to access a PDF with links to web sites, publications, or job aids. These links open in a separate browser window. Documents can be downloaded for printing.</p>
	<p>Pause/Resume (Access Key: p)</p> <p>Select Pause/Resume to stop the current play and to resume the audio and screen animation.</p>
	<p>Replay (Access Key: r)</p> <p>Select Replay to restart the current screen from the beginning.</p>
	<p>Volume (Access Key: m)</p> <p>Select Volume to adjust or mute the course narration.</p>

	<p>CC (Access Key: c)</p> <p>Select CC to toggle on/off synchronized audio narration closed-captioning</p>
	<p>Back (Access Key: ,)</p> <p>Select Back to move to the beginning of the previous screen.</p>
	<p>Next (Access Key: .)</p> <p>Select Next to move to the beginning of the next screen.</p>

ACCESSIBILITY

Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794d) requires Federal departments and agencies to provide people with disabilities equal access to Federal electronic and information technology. The Information and Communications Technology (ICT) Final Standards and Guidelines (36 CFR Parts 1193 and 1194), effective as of 18 January 2018, addresses accessibility requirements covered by Section 508. The functional performance criteria (36 CFR Part 1194, Appendix C) require that information and communication technology provide:

- At least one mode of operation for individuals who have:
 - Sight impairment, including no vision, limited vision, and no perception of color (302.1-3)
 - Hearing impairment, including no hearing and limited hearing (302.4-5)
 - Speech impairment, including no speech (302.6)
 - Mobility impairment, including limited manipulation and limited reach and strength (302.7-8)
- Features that make use simpler and easier for individuals with limited cognitive, language, and learning abilities (302.9)

DISA is proud to offer online training that is accessible to everyone, including individuals with disabilities. DISA tested this course for conformance with Level A and Level AA success criteria defined by the Web Content Accessibility Guidelines (WCAG) 2.0 (36 CFR Part 1194, Appendix A, E205.4), as well as compatibility with the popular screen reader JAWS. This course also offers several additional functions that offer alternative access to onscreen content.

All onscreen controls can be accessed without a mouse. To navigate the course without a mouse, refer to the instructions in the Keyboard Navigation section of this document.

Audio descriptions of video and animated elements on screen are integrated into the main audio track where the narration is not otherwise sufficient to describe them. To access audio descriptions, select the A.D. button on the toolbar.

Audio can be read either through synchronized closed captioning or through a transcript of all the audio on a screen, contained within the Menu panel. To turn on closed captioning, select the CC button on the toolbar. To access a transcript of the current screen's audio, select the Transcript tab of the Menu panel.

Speech is not required for this course.

This course offers flexibility to suit individual learning needs and styles. The course communicates information via auditory, visual, and written means. The course's accessibility functions may also be used to transform auditory communication into written communication via closed captioning or the transcript, and to transform visual communication into auditory communication via the audio descriptions and/or a screen reader. In addition, the course is self-paced, allowing the opportunity to pause, review, and repeat information for as long as necessary to ensure understanding.

KEYBOARD NAVIGATION

You can interact with course controls and review course content with the following keys:

- Tab: cycles forward through each interactive element
- Shift + Tab: cycles backward through each interactive element
- Enter: activates the selected interactive element
- Spacebar: selects a checkbox when multiple selections are permitted
- Up and Down arrows: selects one radio button when a single selection is permitted
- Up and Down arrows when using JAWS: reads each line of text

Each course menu and navigation feature can also be activated with its respective access key. These keys are listed in the Course Interface Features section of this document. To use these keys, hold “control” and “alt” and select the desired key.

After the screen content, select ctrl+alt+. for the access key to bypass the navigation menu and access the “Next” button.

SCREEN READER ASSISTANCE

Most of the visual content on each screen is also conveyed through the audio narration in combination with the provided audio descriptions. To access additional content or to complete a knowledge check use the down arrow to read the screen or the tab key to access interactive buttons or controls.

TEXT-BASED VIDEO ALTERNATIVES

Some screens in the course contain significant video content. On these screens, text-based alternatives are available as embedded PDFs. In some cases, the Video Walkthroughs that are available in the Course Resources also serve as the text-based video alternatives. In all cases, instructions to open the PDFs will be provided where applicable.

SYSTEM SPECIFICATIONS

Component	Compatible, Tested Specifications
Operating system	Windows 10
Internet browsers	Google Chrome 112 Microsoft Edge 112 Mozilla Firefox 112
Security	JavaScript enabled
Accessibility	JAWS 2021
CPU	>2 GHz
RAM	>4 GB
Display	Minimum 1024 x 768 resolution with 32-bit color
Audio	Speakers or headphones required
PDF viewer	Adobe Acrobat Reader 10.0