

A man with a beard, wearing a dark blue button-down shirt and a blue lanyard, is looking down at a silver laptop. He is in a server room, with server racks and glowing blue lights in the background. The text is overlaid on the left side of the image.

Certificate Program:
**CYBERSECURITY
ESSENTIALS**

COURSE BROCHURE

www.wallencoreacademy.com

ABOUT THIS COURSE

Rapid advances in Information and Communication Technology have made it an essential component of an organization's processes and operations. However, despite the substantial benefits, the reliance on technology has exposed organizations of all sizes to an increasing number of cyber risks and threats. The current global reliance on technology has increased the demand for security professionals capable of protecting their organizations from cyber risks and threats by utilizing the preeminent industrial practices that ensure an organization's well-being. Given the current professional demand, Wallencore Academy offers a professionally developed and CPD-certified online course accredited by the UK Certification Service.

The Certificate Program: Cybersecurity Essentials online course provides a cybersecurity knowledge framework that supports the student in advancing their professional development in cybersecurity. Throughout this course, students will learn about the nature and scope of cybersecurity challenges, network defense strategies, and the best cybersecurity practices for becoming proficient at mitigating cyber risks and threats.

Wallencore Academy's Certificate Program: Cybersecurity Essentials is a CPD-certified online course accredited by the Institute of Continuing Professional Development in the UK. The course is designed to prepare students for positions in cybersecurity management and to be on the front line of organizational infrastructure protection. In this CPD-certified online course, students will gain a comprehensive understanding of the essential components of cybersecurity, the best-known benefits, the associated risks and threats, and best practices for developing strategies and mitigation plans.



An estimated 6 hours to complete the course at your own pace completely online.



Available Payment Options - Depending on your country of residence, tax may be charged on the course fee.



Receive a prestigious, CPD certified award to recognize your achievement.



Gain Lifetime Access to the professionally developed course and global recognition.

Over a 5-year period, the cybersecurity market is forecasted to experience a compound annual growth rate (CAGR) of 12.5%. By 2027, the Cybersecurity market is forecasted to be Worth \$403B

Source: Brandessence Market Research and Consulting, 2021

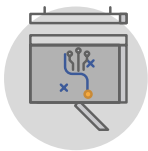


WHAT THIS COURSE INCLUDES

In this course, the students will be presented with a professionally developed learning framework that will help them comprehend the fundamentals of cybersecurity, understand and acknowledge the cyber risks and threats, develop a governance structure that covers risk management and the cybersecurity culture, and understand the most prominent methods and techniques for responding to cybersecurity risks and threats at an organizational level.

The course comprises fourteen (14) manageable modules, proportionally divided into sections that will support the learning process. Each module provides a specific outlook on several aspects of cybersecurity that predominantly includes the most frequent cyber risks and threats that a cybersecurity manager should be aware of, the current mitigation mechanisms, and the organizational response established for cybersecurity. The course covers a wide range of cybersecurity elements and the overall relationship between them. The course begins with a comprehensive introduction to the fundamentals of cybersecurity and continues with an analysis of cybersecurity risks and threats. In addition, the module explores the culture of cybersecurity with risk management procedures aimed at mitigating risks and threats. Lastly, the course emphasizes the importance of cybersecurity investments to ensure appropriate security levels that keep both individuals and the organization safe.

THIS COURSE WOULD BE A GOOD FIT FOR YOU, IF:



You wish to gain an understanding to become a cybersecurity professional to lead your organization through the complex modern cybersecurity environment.



You aspire to orientate your future career towards the field of cybersecurity and information security.



You wish to have your knowledge recognized by a CPD certified online course that recognizes professional development.



“2021 will see a continued increase in ransomware incidents involving exfiltration of data. While most businesses have protocols in place to encrypt sensitive personal information to mitigate against providing required individual notifications, they should also develop processes to protect confidential business information or any other information that, if disclosed, would create legal risk, PR issues or other concerns.”

Adrienne Ehrhardt

Partner, Chair Privacy and Cybersecurity Group, Michael Best & Friedrich LLP



WHO SHOULD TAKE THIS COURSE?

The Certificate Program: Cybersecurity Essentials online course aims to support you in enhancing your understanding of cybersecurity, acknowledging the risks and threats, and developing capacities for appropriately responding and mitigating risks at an organizational level. This online course is ideal for information security entry or mid-level professionals who want to improve their knowledge, performance, and leadership capabilities in the spectrum of cybersecurity. The course may also be beneficial for technology professionals who aspire to obtain a leading role in cybersecurity for their organization, as well as information technology experts who would profit from the knowledge and inputs provided in the formulated course about the rapidly evolving field of cybersecurity.

WHAT YOU'LL LEARN

The following online course has been designed with professionally developed content that includes interactive media and online learning activities supported by traditional learning media derived from professional resources and literature.

MODULE 1

CYBERSECURITY FUNDAMENTALS

The first module of the course will go through the fundamental aspects of cybersecurity so that students can comprehend the characteristics of cybersecurity. The module further elaborates on the significant concepts of cybersecurity, the cyber environment we operate in, the threat actors, and the importance of developing cybersecurity capacities for proper mitigation and response.

MODULE 2

TYPES OF MALWARE

The second module of the course deals with the most common types of malware. The sophistication of cyber-attacks makes it imperative that the student understands malicious software, how to protect themselves and the potential damage they can cause to the organization. This is why the module explores several types of malware such as worms, viruses, spyware, and Trojans so that the student becomes capable of preventing them.

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MODULE 3

CYBERSECURITY BREACHES

One of the essential proficiencies of all organizations is to anticipate and mitigate the potential for cyber risks and threats and to detect the potential vulnerabilities that cyber-attackers may exploit. The module presents a collection of sources that can cause cyber breaches if proper attention is not paid from the beginning and should help in developing an awareness of where the vulnerabilities are.

MODULE 4

TYPES OF CYBER ATTACKS

As organizations in all industries have become more dependent on web and mobile solutions, the cyber risks and threats to which organizations are exposed have increased dramatically. Organizations are now facing more cyberattacks on a daily basis than ever before. The module highlights the most common types of cyberattacks and informs the student about how they work to be prepared to know the appropriate response to the threat.

MODULE 5

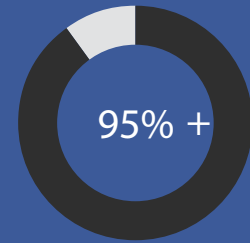
PREVENTION TIPS

Cybersecurity has traditionally been related to the IT departments of organizations, but due to the digitalization and automatization of processes and operations, the cybersecurity duties have extended their reach to include the entirety of the organization. Therefore, this module emphasizes the importance of having a proactive approach that implements preventive measures that ensure the safe utilization and management of technological tools and devices.

MODULE 6

MOBILE PROTECTION

The development of smartphones and mobile devices has provided a great number of benefits in our personal and professional lives. The mobility provided in cooperation with the cloud technologies enables individuals to access shared resources from remote locations, though this raises some significant security concerns. The module includes the best practices of keeping your mobile utilization secure from any cyber risks and threats and how the student can ensure that they will not be a victim of a cyber-attack.



THE COMPLETION RATE OF THE COURSE
Supporting individuals through an online learning, people driven model that enables self-paced completion.



MODULE 7

SOCIAL NETWORK SECURITY

The development of social media networks has provided new communication methods and interactions for individuals and organizations alike. Though communication has become easier, the large number of social network platforms makes users provide their sensitive information to the platforms, which if they are a victim of a data breach, the user's data may be compromised. The module emphasizes the actions that can be undertaken to reduce the risks of becoming a victim of cyber risks and threats from social networks.

MODULE 8

PREVENTION SOFTWARE

The technological advancements of the recent decades have enabled organizations to utilize a wide range of information technology business solutions that help increase the value and performance of processes and operations. To maintain the security of the business solutions, the technology vendors provide prevention software that helps keep their products safe for utilization. The module includes a number of prevention software that can be integrated to maintain the security of the processes and operations.

MODULE 9

CRITICAL CYBER THREATS

The spectrum of cybersecurity is much more expanded than the risks of hackers and other cyber-criminals, the student needs to be aware of the most prominent threat actors which endanger the cybersecurity of organizations, institutions, and governments. The module further elaborates on the critical cyber threats that can bring severe repercussions if proper attention is not paid; in the module the students will be familiarized with the concepts of cyberwarfare, cyberterrorism, and cyberespionage to gain a proper understanding of their impact.

MODULE 10

DEFENSE AGAINST HACKERS

The massive integration and use of technology tools and solutions, in addition to the many benefits for organizations, has also increased the number of sources of threats by cyber attackers who prey on the vulnerabilities of uninformed users and obsolete software. This module explains the most recommended defense measures against hackers, including digital forensics, incorporating an intrusion detection system, utilizing the honeypot mechanism, and the legal recourses with cybersecurity.

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MODULE 11

CRYPTOGRAPHY AND OPERATIONS SECURITY

The significant presence of cyber attackers in the cyber environment has increased the risks that can arise from compromised communications. Securing communications has become one of the most important concerns for organizations of all sizes and sectors. This module explains the importance of cryptography and the types of encryption to ensure the security of communications between sender and recipient, helping to increase the security of operations.

MODULE 12

CLOUD SECURITY

The development of cloud computing has increased the capabilities that traditional IT solutions have provided. Cloud computing solutions allow organizations to use resources provided in the cloud instead of the on-premises storage that was previously used. The module explains the fundamental concepts of cloud security, types of cloud services, risks associated with cloud security, key security aspects, and controls of cloud computing.

MODULE 13

DATA PROTECTION AND SECURITY

The use of web and mobile technologies has enabled organizations to leverage the benefits of these solutions to collect, process, store, and analyze business data to transform it into knowledge. Although the data collected is primarily used for analytical purposes to make informed decisions, the risk of malicious misuse is constantly increasing due to the sensitivity of the information available. This module focuses on the protection and security of data and information, as well as the legal aspects that organizations must comply with.

MODULE 14

COMMUNICATIONS AND NETWORK SECURITY

The massive integration of information technology tools and solutions has increased the number of technological assets which organizations utilize to develop their own systems and networks. This module focuses on communications and network security and emphasizes why organizations must understand the network controls and components and the common risks and threats that hinder these processes from ensuring the highest protection level.

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HOW YOU WILL LEARN

At Wallencore Academy, we uphold the values of quality education and content development; our developers have given careful attention to developing quality content that incorporates the knowledge and insights of experts and professionals in the field of cybersecurity. The course emphasizes the importance of integrating a proactive approach that allows the student to develop a proper understanding of the cybersecurity concepts, as well as comprehending the malicious sources that can endanger the cybersecurity processes.

The following course integrates modern and interactive methods of content development with traditional learning components to integrate the most prominent levels of learning and knowledge exchange and to make sure that the learning experience produces the desired results. The course comprises a total of 14 modules that are broken down into manageable unit sections that comprise the modules. The progression through each module enables the student to further progress in the path of professional development and concluding with the multiple-choice quiz, which will make you eligible for achieving your professional CPD certification.

- Utilize the available online instructional material that contains every piece of information that you need to know regarding the course.
- Learn about the concepts and spectrums derived from professional researches and examples.
- Incorporate the knowledge gained from the modules into the final assessment quiz to receive the certification.

TECHNICAL REQUIREMENTS

BASIC REQUIREMENTS

To participate in this online course, you will need access to a computer and the internet, as well as an email account that will serve as the connection point between your account and the academy. The course can be selected from the collection presented on the Wallencore Academy website; once you have found the desired course, you add it to the shopping cart and proceed to checkout. After completing the purchase, an automatic invoice will be sent to your email address so that you can start your professional development journey.

BROWSER REQUIREMENTS

For the browser requirements, it is recommended that you use Google Chrome or Mozilla Firefox as your selected internet browser when accessing the online courses. Though this is not a requirement on our part, and you are free to utilize whatever browser you prefer, we recommend these browsers based on the previous experiences that our students have shared, which made us conclude that these browsers perform better in compliance with the course requirements and provides easier access.

ADDITIONAL REQUIREMENTS

Specific courses may require additional resources and software. These additional resources and software will be communicated to you upon registration and/or at the beginning of the course. Please note that Vimeo, Google, and YouTube may be used in our course distribution, and if these services are blocked in your jurisdiction, you may have difficulty accessing the course content. Please check beforehand with our communication line before registering for this course if you have any concerns about this affecting your experience throughout the duration of the online course.

Global cybercrime damage in 2021 amounts to \$16.4 billion a day, \$684.9 million an hour, \$11 million per minute, and \$190,000 per second

Source: Cybersecurity Ventures, 2020



THE IMPORTANCE OF CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

Education and personal development are achievements that individuals continuously aim to improve and progress. Regardless of professional competency, individuals are always prompted to elevate their professional capabilities so that they can become valuable to their organizations. Professional development has become a highly required mechanism for individuals aiming to earn or maintain professional competencies. Professional development possesses various approaches that are made available for individuals who wish to elevate their professional competencies further.

In the United Kingdom, the leading institute concerned with continuing professional development is the Institute of Continuing Professional Development. The term CPD is used for describing the learning activities which professionals undertake for enhancing their skills, abilities, and competencies. Continuing Professional Development enables professionals to become proactive in relation to professional skills and competencies. The benefit of such an approach is crucial for the modern and dynamic landscape because it enables professionals to develop competencies even though they might not directly be required.

Continuing Professional Development is important for individuals because it ensures that their professional and academic qualifications do not become obsolete or outdated. In the rapidly shifting professional environment, keeping your skills and knowledge up to date is crucial for staying relevant. Through partaking in CPD accredited courses and training, you will steer yourself in the right professional direction that enables you to become a professional asset for your organization.

GENERAL INFORMATION

The Certificate Program: Cybersecurity Essentials online course is a professionally developed and CPD certified learning material that provides you an opportunity to progress and expand your cybersecurity knowledge capabilities and becoming a valuable cybersecurity asset. The courses are divided into manageable sections that enable you to work and learn at your own pace. The content of the courses is intentionally designed to provide an adequate level of engagement and interaction so that you enjoy your professional development process. Regarding the cost, the course price displayed on the front includes all the costs of assessment and certification. After you have covered all the course modules, you will be subjected to an online multiple-choice quiz taken at your time and place of preference. The successful completion of the final quiz will make you eligible to receive a fully recognized CPD certification that recognizes your professional development and is verifiable by your employer through the unique ID number that is provided.

Once the course is purchased, it is compatible with all major browsers and devices, the mobile design of our platform enables you to take the course at your own pace and preference, as we recognize the importance of professional development. Upon the successful completion of the course modules and quiz, you will receive your CPD professional certification, which you may print off a copy of immediately and add to your list of professional qualifications.

The content of this course has been certified by the CPD Certification Service UK as conforming to continuing professional development principles. (*Certificate no. A020574*)





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Ready to lead the strategic response to cyber risk?

ENROLL NOW

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