COURSE OVERVIEW IE0949
Certified Information System Security

Course Title
Certified Information System Security

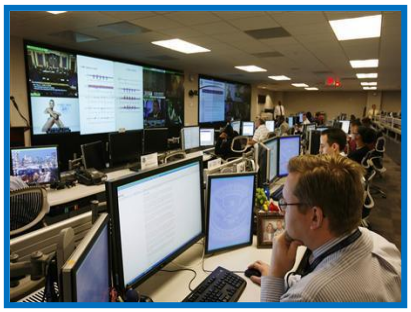
Course Reference
IE0949

Course Duration/Credit
Five days/3.0 CEUs/30 PDHs

Course Date/Venue

Session(s)	Date	Venue
1	January 12-16, 2025	TBA Meeting Room, Taksim Square Hotel, Istanbul, Turkey
2	April 14-16, 2025	Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
3	July 13-17, 2025	Al Khobar Meeting Room, Hilton Garden Inn, Al Khobar, KSA
4	October 19-23, 2025	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Description



This practical and highly-interactive course includes real-life case studies where participants will be engaged in a series of interactive small groups and class workshops.

Information is a valuable asset that can make or break your business. When information properly managed, this allows you to operate with confidence. Information security management gives you the freedom to grow, innovate, and broaden your customer-base in the knowledge that all your confidential information will remain that way.

You should be very careful when it comes to protecting personal records and commercially sensitive information. ISO/IEC 27001 helps you implement a robust and systematic approach to managing information, protecting your organization's reputation. This course will help you get the most from ISO/IEC 27001.

ISO/IEC 27001 helps make businesses more resilient and responsive to threats to information security. It helps keep your business secure so you can focus on doing "business as usual" whilst clearly showing clients and suppliers your commitment to protecting information.
This course is designed to provide an overview of information system security. It covers the challenges in

managing information security; the information security and risk management; the various standards in accordance with ISO/IEC27001, ISO 27002 and ISO 27003 and regulatory framework; the preliminary analysis and establishment of the level of maturity level of an existing information security management system based on ISO 21827; the access control, cryptography and physical security; the security architecture and design; the telecommunications, network and application security; and the legal, regulations, compliance and investigation.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on system security
- Recognize the challenges in managing information security
- Carryout information security and risk management
- Discuss the various standards in accordance with ISO/IEC27001, ISO 27002 and ISO 27003 and regulatory framework
- Identify the preliminary analysis and establishment of the level of maturity level of an existing information security management system based on ISO 21827
- Determine access control, cryptography and physical security
- Illustrate security architecture and design covering service-oriented architecture and web services security, analysis of covert channels, security architecture of biological cells, ISO standards draft content and security frameworks
- Employ telecommunications, network and application security
- Carryout legal, regulations, compliance and investigation that includes compliance assurance, enterprise incident response, digital evidence management and handling and security information management myths and facts

Who Should Attend

This course provides an overview of all significant aspects and considerations of system security for information security managers, IT and corporate security managers, corporate governance managers, risk and compliance managers and information security. It is especially relevant for those who have the responsibility to implement information security management in a business or provide consultation on the subject.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

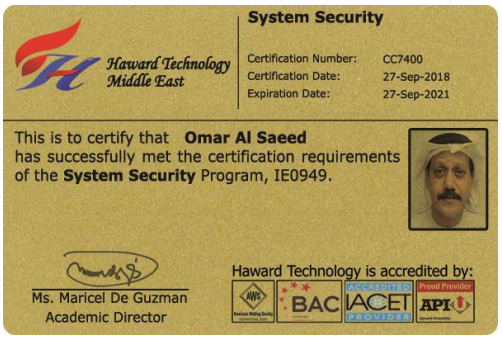
Course Certificate(s)

(1) Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificates will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants: -



(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

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Haward Technology Middle East

Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records

TOR Issuance Date: 27-Sep-18

HTME No. PAR15005

Participant Name: Omar Al Saeed

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
IE0949	System Security	September 23-27, 2018	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date **3.0**

TRUE COPY

Maricel De Guzman
Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2013 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by

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Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:

- The International Accreditors for Continuing Education and Training (IACET - USA)

  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

  Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

  Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Dr. Peter Lalos, PhD, MSc, BSc, is a **Senior IT**, **Telecommunications**, **Control & Electronics Engineer** with over **20 years** of extensive experience in the areas of **IT Risk Management** Concepts, **IT Risk Management** Standard Approaches, I**T Risk Management** Planning, **IT Risk** Identification, **IT Risk Monitoring** & **Control**, **Information Technology** Architectures, **Application** Architecture, **Logical Applications**, **Interface**s & Services, Logical & Physical Components, **Portfolio** Management, **Application Security**, **Application Integration** Technologies & Strategies, **Solution Architecture** Patterns, **Web Applications** & Services, **Mobile** & **Cloud Applications**, **Blended Learning** Programs, **Web Programming**, **E-Commerce Strategies**, Advanced **Database Management** Systems, **Web Design**, **HCI**, 3D Animation, Multimedia Design, Gamification Techniques, Internal & External Auditing, **OS Architectures** and **Network Security**. Further, he is also well-versed in ACAD, ASP, PHP, JSP, MS Visual Studio, VB.NET, ASP.NET, Moodle administration, Design & Development, WAMP & LAMP, Oracle JDeveloper, Oracle 11g, PL/SQL, MS SQL Server, MySQL, MS Access, HTML5, CSS, XML, XSD/ XSL, JavaScript, Ajax, Angular, jQuery, Web Services Adobe Suite, MS Office 2013, IIS Servers, MS Exchange Server & Apache Tomcat, Open Source CMS Expert (Xaraya, Joomla, Mambo) & Module Development, Open Source E-commerce Expert (oscommerce, Joomla & Virtuemart) and Module Development. Currently, he is the **IT Instructor/Subject Matter Expert** and **Course Developer** of the **University of Liverpool**, **UK**, wherein he lectures various courses in **Information Systems Program** and develop courses in Information Technology project management and security risk management.

During his career life, Dr. Lalos has gained his practical and field experience through his various significant positions and dedication as the **IT Manager**, **Bid Manager** & **S/W Developer**, **Project Manager**, **E-Learning Software Manager**, **Scrum Master**, **IT Professor**, **IT Lecturer/Trainer**, **Telecommunications**, **Control** & **Electronics Lecturer**, **Physics Instructor**, **Scientific Advisor**, **E-Learning Specialist**, **Undergraduate** & **Postgraduate Thesis Supervisor**, **IT Contractor**, **Laboratory Administrator**, **Moodle Expert** & **Administrator** and **Telecommunications Engineer** for various companies and universities such as the University of Greenwich, Empire State College, Roehampton University, University of East London, Athens Technology Center, University of Athens, **ShellGas**, Advanced Services Group (ASG), Piraeus University, Chemmedia Hellas Ltd., Conceptum S.A, IEK and Frontistirio Apopsi.

Dr. Peter has a **PhD** in I**T**, **Telecommunications**, **Control** & **Electronics** from the **University of Athens**, a **Master's degree** in **Information Technology** with **Web Technology** from the **University** of **Paisley**, **UK** and a **Bachelor's degree** in **Physics** from the **Aristotelian University** of **Thessaloniki**, **Greece**. Further, he is a **Certified Instructor/Trainer**, a **Scrum Master**, a **Certified Administrator** and an **LMS Specialist**. He has further published several journals, participated as an author in various projects and conducted numerous trainings, courses, workshops, seminars and conferences internationally.

Course Fee

Istanbul	**US$ 6,000** per Delegate + **VAT**. This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Abu Dhabi	**US$ 5,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Al Khobar	**US$ 5,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	**US$ 5,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Challenges in Managing Information Security*** *The New Challenges • Information Systems Security and the Need for Policy • New Technology but the Same Old Right and Wrong*
0930 – 0945	*Break*
0945 – 1130	***Challenges in Managing Information Security (cont'd)*** *Ethical Elements of Security and Developments in Cyberspace • Cyber Terrorism and the Contemporary Corporation*
1130 – 1230	***Information Security & Risk Management*** *Integrated Threat Management • Understanding Information Security Management Systems • Planning for a Privacy Breach • Using Quasi-Intelligence Resources to Protect the Enterprise*
1230 – 1245	*Break*
1245 – 1420	***Information Security & Risk Management (cont'd)*** *Information Risk Management: A Process Approach to Risk Diagnosis and Treatment • Department-Level Transformation • Setting Priorities in Your Security Program • Why and How Assessment of Organization Culture Shapes Security Strategies • A Look Ahead*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0930	***Presentation of the Standards ISO/IEC 27001, ISO 27002 & ISO 27003 & Regulatory Framework***
0930 - 0945	*Break*

0945 – 1130	***Preliminary Analysis & Establishment of the Level of the Maturity Level of an Existing Information Security Management System Based on ISO 21827***
1130 - 1230	***Access Control*** *Authentication Tokens • Accountability*
1230 - 1245	*Break*
1245 - 1420	***Access Control (cont'd)*** *Rootkits: The Ultimate Malware Threat*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

0730 – 0930	***Cryptography*** *Encryption Key Management in Large-Scale Network Deployments*
0930 - 0945	*Break*
0945 – 1130	***Cryptography (cont'd)*** *Encryption Key Management in Large-Scale Network Deployments (cont'd)*
1130 - 1230	***Physical Security*** *Elements of Physical Security*
1230 - 1245	*Break*
1245 - 1420	***Physical Security (cont'd)*** *Mantraps and Turnstiles*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

0730 – 0930	***Security Architecture & Design*** *Service-Oriented Architecture and Web Services Security • Analysis of Covert Channels • Security Architecture of Biological Cells: An Example of Defense in Depth*
0930 - 0945	*Break*
0945 – 1130	***Security Architecture & Design (cont'd)*** *ISO Standards Draft Content • Security Frameworks*
1130 - 1230	***Telecommunications & Network Security*** *Facsimile Security • Network Content Filtering and Leak Prevention*
1230 - 1245	*Break*
1245 - 1420	***Telecommunications &Network Security (cont'd)*** *Network Attacks and Countermeasures*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5

0730 – 0930	***Application Security*** *Neutral Networks and Information Assurance Uses • Information Technology Infrastructure Library and Security Management*
0930 – 0945	*Break*
0945 – 1130	***Application Security (cont'd)*** *Adaptation: A Concept for Next-Generation Security Application Development • Quantum Computing: Implications for Security*
1130 – 1230	***Legal, Regulations, Compliance, and Investigation*** *Compliance Assurance: Taming the Beast • Enterprise Incident Response and Digital Evidence Management and Handling*
1230 – 1245	*Break*
1245 – 1300	***Legal, Regulations, Compliance & Investigation (cont'd)*** *Security Information Management Myths and Facts*
1300 – 1315	***Course Conclusion***
1315 – 1415	***COMPETENCY EXAM***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-

Course Coordinator

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