EXECUTIVE EDUCATION

EXECUTIVE TRAINING

DIGITAL AUDITING, ADVISORY AND CYBERSECURITY

Statutory auditors, accountants, audit & consulting firms, internal audit & internal control departments, information system professionals: strengthen your expertise and master the methodologies and practices of IS audit, advisory and cybersecurity.

Dauphine | PSL
LONDON

EQUIS ACCREDITED

At a glance

Digitalisation is the tip of the iceberg which represents the increasing reliance on information technology of the organisations. New competitors have succeeded with a digital approach and have opened new markets or created new ways of interacting with their customers.

In parallel, the outbreak of the COVID-19 pandemic has left leaders and directors exhausted from the intensity of their efforts to align their organisations with evolving market realities and increasing risks such as cybersecurity threats.

In this new paradigm and a highly connected world, this makes it an extraordinary opportunity for auditors and consultants to renew themselves, embracing the vision of the company's information system.

The programme has been developed to meet the demands of more seasoned executives with extensive experience in audit, internal control, advisory and information technology, and who want to obtain the academic foundation.

Objectives

This programme is structured around 3 levels, aiming at evolving skills objectives:

- The Certificate, which aims to professionalise employees so that they can participate in digital audit and consulting assignments
- The University Diploma, which aims to make employees autonomous in terms of digital audit and consulting assignments to design and supervise them.
- The Executive Master, which aims to acquire a level of expertise in the field of digital auditing & advisory, particularly in cybersecurity

Public

The programme is aimed at any manager or employee of an audit and consulting department or an Information Systems Department who feels the need to train in a context of transformation or taking on new responsibilities.

The diversity of participants within the programme enriches exchanges and contributes to the sharing of good practices between different sectors of activity.

Skills and behaviours developed

A comprehensive curriculum designed to:

- Assess and design internal processes that foster information assurance.
- Develop the skills to identify, analyse and address risks; assess information system security controls; and ensure alignment with strategic organisational goals and regulatory requirements.
- Gain expertise and skills while learning the tools and procedures for conducting external and internal IT auditing and consultancy processes.

Programme

The Executive training in Digital Auditing, Advisory and Cybersecurity is organised in 3 levels. Levels 1 and 2 can be followed independently and deliver a Certificate and a University Diploma. Successful completion of level 3 results in an Executive Master and includes the first two levels.

Certificate
(80 hours)

Fundamentals of IS audit and advisory

- IS governance: strategy, budgets, indicators, contracts
- Position of the IS function within the organisation
- Digital transformation - Target Operating Model
- IS mapping, modeling and urbanisation (evolution) of information systems
- IS Internal control
- IS audit principles, methodology and tools
- IS audit categories: IS governance audit, IS process audit, IS project audit, IS security audit, IS Infrastructure audit, ...
- Access management
- New technologies and associated risks: blockchain, IA, process automation (RPA...)

University Diploma
(120 hours)

Data governance and data analytics

- Methodology for documenting and auditing using data analysis tools
- Data audit - data analysis, case study - tests and data checks, case study - audit tools
- Use of Python language for control and audit
- Use of audit applications (IDEA, Alter X, ..)
- Machine Learning, Fraud detection, Methodology and statistical models (Benford...)
- Conferences
- CISA preparation

Executive Master
(100 hours)

Cybersecurity

- Identify, analyse and address risks; detect intrusions; harden information systems and networks to protect data confidentiality and integrity; maintain IT availability; and mitigate losses.
- Prepare for the Certified Information Security Management exam.

Courses

- Types and topology of networks
- Protocols, TCP/IP, Ethernet
- Technical network equipment
- Security standards: risks, audits, etc.
- Physical security
- Audit of new technologies: blockchain, AI, process automation (RPA...)
- Preparation to the CISM
- Soft Skills
- Conferences

Teaching methods

The topics covered during the training will be abundantly illustrated by examples and case studies, with an alternation of courses, practical cases and testimonials.

The programme uses a blended learning approach: 70% online and 30% on-site.

The content and educational formats of the training are digitised as much as possible, with materials made available on a shared web platform.

The themes are divided into sessions (one video session is 3 hours) associated with in-person attendance to work on practical cases.

Assessment methods

At the end of the sessions, there is a final exam which consists of an MCQ and a case study. Passing the exam results in completing the level.

Level 1:
2 MCQ: 20%
3 case studies: 20%

Level 2:
4 MCQ: 15 % each;
1 case study: 20 %
Preparation to the CISA & test: 20 %

Level 3:
4 MCQ: 10 %
Thesis: 40%
Preparation to the CISM & test 20 %

Contact

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