

The Postgraduate programme in ICT Audit & Security gives an in-depth approach on audit, compliancy, certifications and information security.

**BROES SOETENS, C-CURE**  
Class 2005-2006

The ICT Audit & Security postgraduate programme provided me with a lot of practical information on IT auditing. The sessions were led by academic and industrial professionals, providing the opportunity to discuss a large range of topics with experts, to share knowledge and to discuss practical issues.

In addition, it helped me to make a challenging career move to an international organisation.

**PETRA VINCKIER**  
Class 2005-2006

The ICT Audit & Security programme helped me to progress in my organisation from a purely operational and technical position to a more strategic one.

**FRÉDÉRIC LEMOINE, MANPOWER INC.**  
Class 2003-2004

This two year course provided me with efficient methodologies and useful best practices in IT auditing and risk management. For me, it provided a key to proposing structured and efficient IT management-oriented solutions to my customers.

Several sessions, chaired by highly qualified speakers, were also great opportunities to share experience while preparing practical case studies.

**FRANÇOIS POLLET, IT CONSULTANT**  
Class 2004-2005

ITGI AFFILIATE



## > PRACTICAL INFORMATIONS

### MODULAR

Participants can register for the entire programme, for the first year only, or the second year only

### FACULTY

- Academic lecturers
- Belgian and international experts

### ACTION LEARNING

Interactive learning; links to effective business requirements; regular use of research and standards supported by international research organisations; practical workshops and case studies; high-level discussion of real-life situations with peers and lecturers

### TEACHING LANGUAGE

Mainly English

### PROGRAMME TIMING

The course takes place on Tuesday and Thursday evenings (18.15 to 21.30) in Brussels. Courses are not held in July, August and September

### PROGRAMME FEE

€ 4 950 per year (VAT excluded)

### APPLICATION

Apply online at: [www.solvay.edu/ict](http://www.solvay.edu/ict)

In order to guarantee the highest quality of learning, the number of participants is strictly limited

### INFORMATION SESSION: You want to know more ?

Details about information sessions are published on [www.solvay.edu/ict](http://www.solvay.edu/ict)

### CONTACT

Tel.: 02.650.65.20 - Fax: 02.650.41.88

E-mail: [ict@solvay.edu](mailto:ict@solvay.edu)

[www.solvay.edu/ict](http://www.solvay.edu/ict)

**Solvay**  
Business School

## Executive Master in ICT Audit & Security

Master the IT process



UNIVERSITÉ LIBRE DE BRUXELLES,  
UNIVERSITÉ D'EUROPE

ULB

EQUIS  
ACCREDITED



## YEAR 1



focuses on ICT management, audit and compliance practices. General audit techniques will cover the 34 sub-processes of information technology environments.

### ADVANCED SKILLS DEVELOPMENT FOR

- ICT Professionals
- Information Security Professionals
- ICT Management Consultants
- Information Technology Auditors
- IT Experts
- Executives involved with the IT process

#### A1. IT Systems management

Practical review of IT management principles.

#### A2. Internal and IT audit

Basics of standards and practices in internal audit, based on the Institute of Internal Auditors (IIA) guidelines.

Principles of IT auditing based on the CISA Body of Knowledge.

#### A3. Review of the IT process

(Practical use of COBIT)

Review of management needs; structure of IT processes; practical IT audit exercises and case studies.

#### A4. IT Legislation and IT forensics

Overview of e-business and IT related law, IT forensic practices and tools.

#### A5. Application review and Data

Analysis workshop: ERP implementation review, application controls and data audit.

#### A6. Audit of new technology

(Workshop)

Develop specific risk assessments and audit programmes in selected environments. Team activity.

#### A7. ITIL foundation

A practical workshop on IT service management and service delivery through ITIL (IT Infrastructure Library).

### TUITION AND EXAM PREPARATION FOR

- Certified Information Systems Auditor (CISA)
- Certified Information Systems Security Professional (CISSP)
- Certified Information Security Manager (CISM)
- ITIL (IT Implementation Library)

### THE ICT AUDIT AND SECURITY COURSE

- has been developed in line with the guidelines from the Information Systems Audit & Control Association (ISACA.org) and those of the IT Governance Institute (ITGI.org);
- uses the Governance, Control and Audit of Information and other related technologies (COBIT).

## YEAR 2



focuses on information security, professional certification and skills, and managerial and technical aspects.

#### FIRST QUARTER

#### B1. Technology overview including Telecom and Network: Management, Practice and Audit [Lecture and Workshop]

Basics and advanced knowledge and practice in Information technology, standard telecom and networks.

#### B2. Security Technology

Presentation of the common body of knowledge of CISSP and its ten information security domains.

#### SECOND QUARTER

#### B3. Application development and E-business Management and Audit [Case Studies]

Common application development and e-business: strategies and audit and control principles and practices, reviewed by industry specialists.

#### B4. Security Management body of knowledge

Common security management topics reviewed and presented by industry specialists. Body of knowledge is based on CISM

#### B5. Interpersonal Skills

Communication, negotiation, presentation and selling skills

#### THIRD QUARTER

#### B6. Preparation to Certifications (CISA, CISM, CISSP, CMMI)

Review sessions for those preparing CISA, CISSP, CISM and ITIL exams

#### B7. Management frameworks PMMI and CMMI

Review of the Capacity Maturity Model and the Project Management frameworks

#### B8. Thesis