香 港 銀 行 學 會
The Hong Kong Institute of Bankers

ENHANCED COMPETENCY FRAMEWORK on Cybersecurity (ECF-C)

Associate Cybersecurity Professional
(recognised under the QF at Level 4, QR Registration No: 20/000537/L4)

ACsP

More programme details:

資歷架構
Qualifications Framework

Enhanced Competency Framework for Banking Practitioners

With an aim to support capacity building and talent development for banking professionals, the Hong Kong Monetary Authority (HKMA) works together with the banking industry to introduce an industry-wide competency framework - Enhanced Competency Framework (ECF) for banking practitioners.

The Hong Kong Institute of Bankers (HKIB) is the programme and qualification provider for the ECF on Cybersecuirty, with the following objectives:

- To develop a sustainable talent pool of cybersecurity practitioners for the workforce demand in this sector; AND
- To raise and maintain the professional competence of cybersecurity practitioners in the banking industry

Overview of the Hong Kong Institute of Bankers

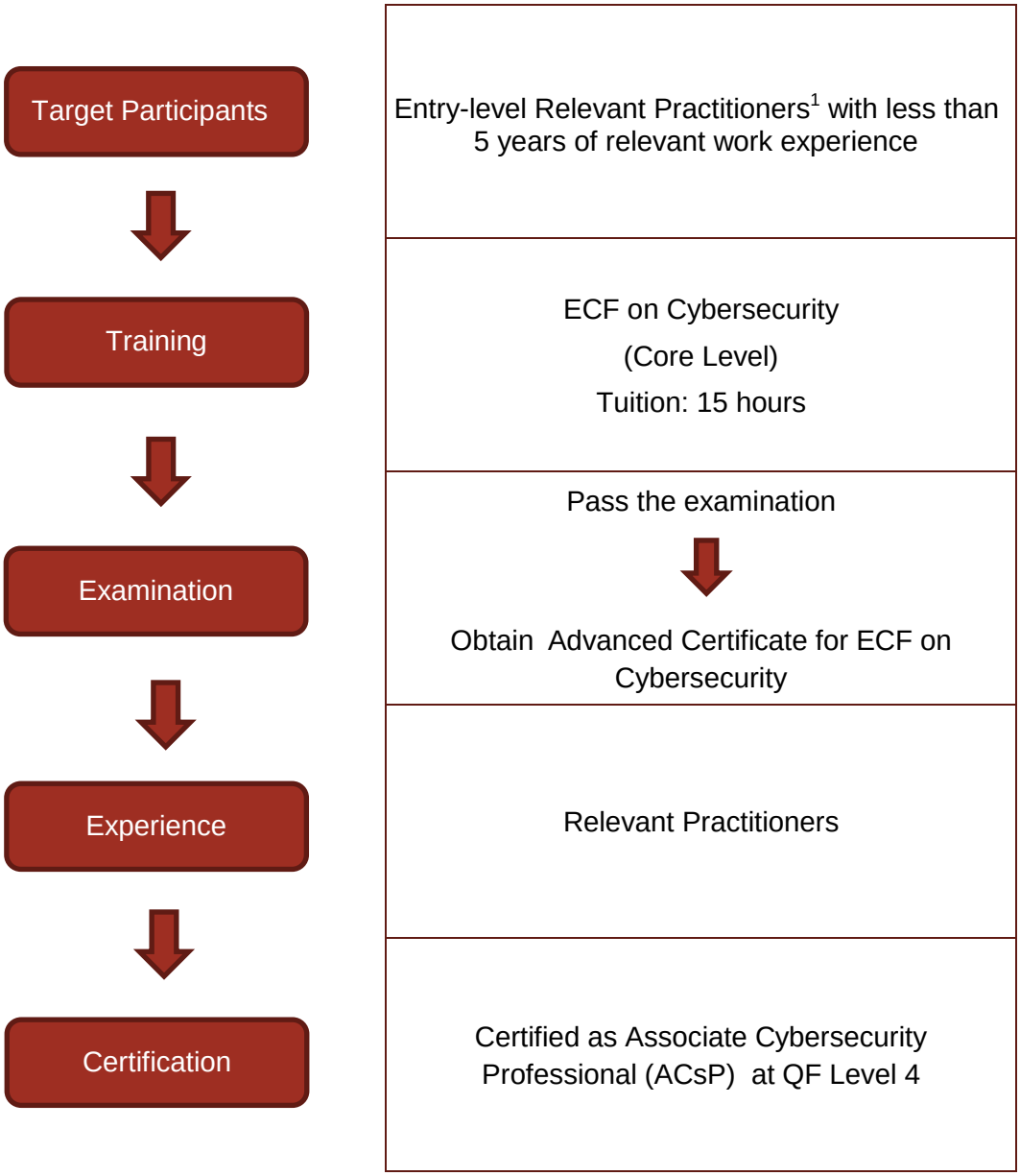
The Hong Kong Institute of Bankers (HKIB) has been serving the local banking community in the provision of professional training and certification services since 1963. HKIB is the first not-for-profit institution in Hong Kong to issue banking qualifications up to QF Level 6 under the HKQF, and was appointed by the Education Bureau as a Professional Qualifications Assessment Agency in August 2020. With an objective to maintain and further develop the territory's status as an international financial centre, the Institute works with the support of banks, regulators, financial institutions, academic institutions and various professional bodies to provide local banking practitioners with professional training and development opportunities.

In view of the changing landscape of the banking and financial services industry in Hong Kong and mainland China, as well as on a global scale, the importance of continuing to enhance the standards of professional development has gained increased attention. The HKIB endeavours to provide and enhance its training and development products in order to equip its members with essential knowledge and skills that meet the industry's needs.

Qualifications Framework

The Professional Qualification "Associate Cybersecurity Professional (ACsP)" is recognized under the QF at Level 4. (QR Registration No.: 20/000537/L4)

Becoming an Associate Cybersecurity Professional (ACsP)



Certified Individual (CI)

ACsP holders will be registered as CI and included in a public register on the HKIB website. The CI Register posted on the HKIB website enables the public recognition of ACsP holders. To ensure your Professional Qualification reflected in the CI register, you are required to maintain a valid membership status with HKIB.

Continuing Professional Development (CPD)

The ACsP holders are required to comply with the following annual Continuing Professional Development (CPD) requirements in order to maintain the Professional Qualifications.

1. Undertake a minimum of 20 CPD hours each year and
2. Hold a minimum of 120 CPD hours over every 3 years period.

For more details, please refer to Continuing Professional Development (CPD) Scheme on HKIB Website. (Home > Membership > Individual Members > HKIB CPD Requirements)

[1] Relevant Practitioners are new entrants or existing practitioners engaged by an authorized institution to perform in roles ensuring operational cyber resilience

ECF on Cybersecurity (Core Level)

Programme Objectives

This programme is developed with the aim to nurture a sustainable talent pool of cybersecurity practitioners for the banking industry. Learners will learn the technical foundation of cybersecurity and the cybersecurity controls used in the banking environment. Also, learners will be equipped with the essential knowledge and tools to gain a better understanding of computer security vulnerabilities and typical security pitfalls, enabling them to identify potential security threats and apply early intervention to common cybersecurity problems.

Programme Intended Learning Outcomes

Upon completion of the programme, candidates should be able to

- Describe the foundation of various network protocols and their hierarchical relationship in hardware and software.
- Apply the principles and knowledge of international standards to enhance network and system security.
- Apply cybersecurity related monitoring measures for managing different types of cybersecurity threats.
- Conduct a security incident response process and present an analysis of the results for management's review.
- Assess security risks in the cyber environment and IT systems by applying the IT Risk Management and Control principles.
- Conduct IT audits and security testing to assess cybersecurity risk protection.

Programme Outline

- Enhance learners' comprehension of fundamental concepts, principles and theories in networking and cybersecurity which allow participants to apply in personal and work environment
- Acquire the knowledge of different aspects of cybersecurity:
  - Technical Foundation of Cybersecurity
  - Bank IT Security Controls
  - Cybersecurity Monitoring
  - Security Incident Response
  - IT Risk Management and Control
  - IT Audit
  - Security Testing
- Participants shall be able to identify potential security threats and apply early intervention to common cyber security problems

Entry Requirements

The progamme is open to both members and non-members of HKIB. Candidates must fulfil the stipulated minimum entry requirements with:

- A Bachelor's Degree in any discipline awarded by a recognised university or equivalent; OR
- An Associate Degree (AD)/Higher Diploma (HD) in a banking and finance, computer studies/science, information systems/technology discipline or equivalent; OR
- Relevant professional qualifications; OR
- Mature applicants with either
  - At least 5 years of work experience in banking and finance, information systems/technology or equivalent; OR
  - 2 years of work experience in banking and finance, information systems/technology with a recommendation from the employer.
- Registered HKIB student members or post-secondary full-time students of the stated Diploma or Degree programmes

Medium of Instruction

Training is delivered in classroom setting and self-study in either Cantonese or English supplemented with English materials.
All the examination questions are set in **English** only.

Learning Mode

Tuition (15 Hours)

Application

Email : application@hkib.org
In person/Mail : 3/F Guangdong Investment Tower, 148 Connaught Road Central, Hong Kong
Please visit the HKIB website for application details.

General Enquiries

Tel : (852) 2153 7800
Email : cs@hkib.org
Website : www.hkib.org
Address : 3/F Guangdong Investment Tower, 148 Connaught Road Central, Hong Kong

Note: *The recommended staff member should have the knowledge and skills to complete the training activities and achieve the intended learning outcomes. The employer should make the recommendation based on the competency of the potential learner. For example, in addition to 2 years of banking and finance experience, the recommended staff member also possesses other relevant traits and skills such as exhibiting a strong work ethic or transferable skills that the employer finds desirable. The recommendation may also include comments on the career advancement prospects of the staff member.*

Integration of ECF in Certified Banker (CB)

Certified Banker (CB) is a professional banking qualification programme developed and offered by HKIB. This common qualification benchmark is intended to raise the professional competency of banking and financial practitioners in Hong Kong to meet modern demands, while providing a transparent standard with international recognition. The "ECF on Cybersecurity (Core Level)" has already been incorporated in CB (Stage I). You may refer to the CB Programme structure as below to plan for your learning path. Learners who have obtained a pass at the relevant examination can then apply for an exemption for the elective module "ECF on Cybersecurity" of the CB (Stage I) programme.

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Certified Banker (CB) <QF Level 6>

With 3 years banking or finance related work experience

CB SPECIALIST STREAM

Postgraduate Diploma in Credit / Treasury / Operations Management for Certified Banker

Complete 60 credits from TWO modules of any ONE of the specialist streams and attain a pass in the case study examination of the respective specialist stream

Credit Management	Treasury Management	Operations Management
✧ Bank Lending (30 credits) ✧ Credit Risk Management (30 credits)	✧ Bank Asset and Liability Management (30 credits) ✧ Treasury Markets and Operations (30 credits)	✧ Banking Law and Practice (30 credits) ✧ Operational Risk Management (30 credits)

CB (Stage II)

Professional Diploma for Certified Banker <QF level 5>

Obtain 60 credits from any TWO Modules

- ✧ Business and People Management (30 credits)
- ✧ Corporate Finance Services (30 credits)
- ✧ Finance of International Trade (30 credits)
- ✧ Financial Planning (30 credits)
- ✧ Technology Management and Innovation in Banking (30 credits)
- ✧ ECF on AML/CFT (Professional Level) (30 credits)

CB (Stage I) CORE + ELECTIVE

Advanced Diploma for Certified Banker <QF level 4>

Obtain 20 credits from Core and 40 credits from Elective Modules

Core Module:

- ✧ Fundamentals of Banking (10 credits)
- ✧ Professional Ethics and Compliance (10 credits)

Elective Module

- ✧ Fundamentals of Accounting (10 credits)
- ✧ Introduction to Banking Law (10 credits)
- ✧ Risk Management (10 credits)
- ✧ Fundamentals of Treasury Markets (10 credits)
- ✧ ECF on AML/CFT (Core Level) (20 credits)
- ✧ ECF on Cybersecurity (Core Level) (20 credits)

For more details, please visit: https://www.hkib.org/page/73