CFTA
Certified FinTech Analyst

2024

Level 1-3

Exam and Membership Guide

Contents

1. About Exam

The CFTA certification is divided into three levels, and one must pass the previous level exam before participating in the next level exam.

1.1 Level 1

Exam Objectives

Through the exam of CFTA level 1, check whether the candidate master the following knowledge and programming skill:

a Python programming.

b Python for data analysis.

c MySQL programming.

d Statistical principal and programming.

e Economics model and programming.

f Financial analysis and programming.

Exam of knowledge point and weight

No.	Knowledge Point	Weight
1	Python Programming	30%
2	MySQL Database System	20%
3	Statistical Principal and Programming	10%
4	Economics Model and Programming	15%
5	Financial Analysis and Programming	25%

Reference Book

Python for Data Analysis Second Edition

By Wes McKinney

Murach's MySQL Third Edition

By Joel Murach

Statistics for Business and Economics, Thirteenth Edition

By David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, Jeffrey D. Camm, James J. Cochran

Investments Sixth Edition

By Zvi Bodie, Alex Kane, Alan J. Marcus

1.2 Level 2

Exam Objectives

Through the exam of CFTA level 2, check whether the candidate master the following knowledge and programming skill:

a Algorithmic trading technology and programming.

b Investment indicators, models and programming.

c Corporate finance models and programming.

d Behavioral finance theory and Programming.

e ESG concepts, frameworks, reports, and investment decisions.

Exam of knowledge point and weight

No.	Knowledge Point	Weight
1	Algorithmic Trading Technology	30%
2	Investment and Programming	25%
3	Corporate Finance and Programming	20%
4	Behavioral Finance and Programming	10%
5	ESG Investment and Practice	15%

Reference Book

Algorithmic Trading and Quantitative Strategies

By Raja Velu, Maxence Hardy, Daniel Nehren

Investments Sixth Edition

By Zvi Bodie, Alex Kane, Alan J. Marcus

Corporate Finance ninth edition

By Ross, Westerfield, Jaffe

Behavioral Finance: Psychology, Decision-Making, and Markets

By Ackert, Deaves

Building a Sustainable Future: ESG Business Handbook

By Biljana Braithwaite, Sabina Đapo

1.3 Level 3

Exam Objectives

Through the exam of CFTA level 3, check whether the candidate master the following knowledge and programming skill:

a Web scraping with python.

b RPA process automation in finance.

c Data mining with python.

d Big data analytics.

e Machine writing with template technology.

f Large language models and prompt engineering.

g AIGC in finance.

h Concept, trends of Fintech.

i Regulation and Regtech.

Exam of knowledge point and weight

No.	Knowledge Point	Weight
1	Web Scraping and RPA	20%
2	Data Mining with Python	20%
3	Data Science and Big Data Analytics	20%
4	Machine Writing, LLM and AIGC	15%
5	Concept, Trends, and Regulation of Fintech	25%

Reference Book

Web Scraping with Python

By Ryan Mitchell

Learning Robotics using Python Second Edition

By Lentin Joseph

Learning Data Mining with Python Second Edition

By Robert Layton

Data Science & Big Data Analytics

By John Wiley & Sons, Inc.

Building LLM Powered Applications

By Valentina Alto

FinTech The Technology Driving Disruption in the Financial Services Industry

By Parag Y. Arjunwadkar

1.4 Exam Schedule

The CFTA certification exam is held four times a year, on the third weekends in March, June, September, and December. Each exam lasts for 3 hours, and the detailed schedule is as follows:

Date	Level	Time
12/21/2024	Level 1	09:00-12:00
	Level 2	14:00-17:00
12/22/2024	Level 3	09:00-12:00
03/22/2025	Level 1	09:00-12:00
	Level 2	14:00-17:00
03/23/2025	Level 3	09:00-12:00
06/21/2025	Level 1	09:00-12:00
	Level 2	14:00-17:00
06/22/2025	Level 3	09:00-12:00
09/20/2025	Level 1	09:00-12:00
	Level 2	14:00-17:00
09/21/2025	Level 3	09:00-12:00
12/20/2025	Level 1	09:00-12:00
	Level 2	14:00-17:00
12/21/2025	Level 3	09:00-12:00

1.5 Question Class and Score

Level 1

No.	Question Class	Quantity	Score
1	Single choice question	40	40
2	Multiple choice questions	10	20
3	Short answer	2	40
4	Total	52	100

Level 2 and 3

No.	Question Class	Quantity	Score
1	Single choice question	20	20
2	Multiple choice questions	10	20
3	Short answer	6	60
4	Total	36	100

1.6 Exam Policy

The CFTA certification pass the 70 points. If you fail the exam, there is one free make-up exam opportunity for each level, but it can only be used during the next exam.

2. Membership

2.1 Define

Candidate

The person who pays the registration fee and registers for the CFTA Level 1 exam.

Member

The person who have passed the CFTA Level 3 exam and obtained a certificate.

Project Training Camp

It is held every winter and summer vacation, online or offline, with themes such as algorithm trading, investment research, and risk control, for about one to two weeks.

Global Study Tour

The CFTA Institute organizes fintech study tours to countries such as the United States, the United Kingdom, and Australia every summer, inviting CFTA candidates and members to visit financial institutions, technology companies, and universities, understand the relevant financial technology applications and learning situation, and issue training certificates.

Career Development Consulting

The CFTA Institute hire industry mentors to provide free guidance and answer questions for CFTA candidates and members who encounter various confusions and doubts in their studies and work.

2.2 Candidate

Right

a The CFTA Institute provide free online learning Q&A, and simulated exam testing for the college student of candidates, greatly improving the pass rate of exams.
b Internal referral opportunities.
c Project training camp.
d Global study tour.
e Career development consulting.

2.3 Member

Right

a The CFTA Institute provides lifelong learning and educational support for members.
b Internal referral opportunities.
c Project training camp.
d Global study tour.

e Career development consulting.

Obligation

a Sharing of learning and work experience.

b Provide guidance for career development of candidates.

2.4 Annual Membership Fee

Free.

3. Contact information

Website: https://www.cftainstitute.org

Email: support@cftainstitute.org