

PYTHON



Certified Associate in Python Programming (PCAP)

A Preparatory Course for PCAP International Certification Examination

Course Fee: HK\$9,000 (May apply up to HK\$6,000* subsidy)

*Maximum saving, with the final grant subjects to approval.



PCAP certification ensures that you are fully acquainted with all the primary means of Python 3 that enables you to start your self-learn journey, and open a career path towards a developer.

This course covers the basics of Python programming and topics associated with the exam syllabus. The online learning platform offers e-courseware and test exercises to facilitate your preparation towards the exam.

Programme code	10011219-01
Date and time	12, 19, 26 Jun 2021 (Every Sat) 09:30-17:00, Total 18 training hrs
Venue	Innospace, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong or Webinar subject to the situation of COVID-19 
Medium	Cantonese, supplemented with English terminology
Course fee	HK\$9,000 (May apply up to HK\$6,000* subsidy)
Who should attend?	Anyone wants to learn Python and modern programming techniques.
Prerequisites	Basic Python programming experience preferred.

Course Description

Certified Associate in Python Programming Certification is a professional credential that measures participants' ability to accomplish coding tasks related to the basics of programming in the Python language and the fundamental notions and techniques used in object-oriented programming. It also shows that the participant is familiar with general computer programming concepts like conditional execution, loops, Python programming language syntax, semantics, and the runtime environment, as well as general coding techniques and object-oriented programming.

Bring Your Own Device (BYOD): Windows 7/10 / Mac OS 10.x with internet connection and Python 3.7/3.8/3.9 installed

This course is an approved Reindustrialisation and Technology Training Programme (RTTP), which offers up to 2/3 course fee reimbursement upon successful applications. For details: <https://rttp.vtc.edu.hk>.



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Course Highlight

- ✓ Compilation and interpretation
- ✓ Preparing Python development environment
- ✓ Running Python in RPEL and script modes
- ✓ Data types, variables and operators
- ✓ Lists, tuples, dictionaries, sets
- ✓ Boolean data type and execution path control
- ✓ Control flow with for-loop and while-loop
- ✓ The break and continue keywords
- ✓ Writing Python functions
- ✓ Standard input and output
- ✓ Comments and code documentation
- ✓ Object-oriented programming (OOP) in Python



- ✓ Get ready for PCAP certified examination
- ✓ 1 month access to online revision courseware and test exercises
- ✓ Exam sample question practices and registration for the PCAP exam

Outline

- Introduction to Python and computer programming
- Data types, variables, basic input-output operations, basic operators
- Boolean values, conditional execution, loops, lists and list processing, logical and bitwise operations
- Functions, tuples, dictionaries, and data processing
- Modules, packages, string and list methods, exceptions
- The Object-Oriented Approach: classes, methods, objects and the standard objective features; exception handling, and working with files

Assessment Certification

Participants will receive an exam voucher to attempt the international assessment. The industry recognized PCAP certification require a minimum **passing score on the assessments.**

Trainer

Simon MOK, is an IT professional course trainer with over 10 years, including IoT, data analytics, AI and machine learning and programing. He obtains Certified Associate in Python Programming and has rich experience in leading development team to deliver software solutions for clients. He is a M.Phil from the University of Hong Kong and MSc in Computer Science from the Chinese University of Hong Kong.

Special to HKCS members

- ❖ May enjoy up to HK\$300 Bookstore Coupon. **Promo Code: CS11HK2020**
- ❖ Can apply for the **certification of CPD hours**, this course hours will be counted.

Enrolment Methods

1. Scan the QR code to complete the enrolment and payment online.
2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) and the application form should be mailed to HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Cherry LAM). Please indicate the course name and course code on the envelope.



[Enrol here](#)

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