

### Artificial Intelligence Training



Through the training in HCIA-Artificial Intelligence, one will systematically understand and grasp Python programming, essential mathematics knowledge in AI, basic programming methods using Tensor Flow (a machine learning and Deep Learning platform framework), pre-knowledge and overview of Deep Learning, overview of Huawei cloud EI.



#### Target Trainees

Those who hope to become AI engineers  
Those who hope to acquire HCIA-AI certificate  
Those who hope to know how to use, manage, and maintain Huawei AI products and AI cloud services

Can get the HCIA certificate when passing the corresponding exam above.

#### Curriculum

##### HCIA-ARTIFICIAL INTELLIGENCE

##### Overview of AI

- 1.1 The past of AI
- 1.2 What is AI
- 1.3 AI industry and AI society

##### 2. Python Programming Basics

- 2.1 Introduction to Python
- 2.2 Data Container
- 2.3 Python Grammar
- 2.4 Operations

##### 3. Math Basics

- 3.1 Linear Algebra
- 3.2 Probability Theory and Information Theory
- 3.3 Numeric Calculation

##### 4. Tensor flow

- 4.1 Tensor flow Basics
- 4.2 Tensor flow Using

##### 5. Propaedeutic and Overview of Deep Learning

- 5.1 Learning algorithms
- 5.2 Common Machine Learning Algorithms
- 5.3 Parameter Estimation
- 5.4 Deep Learning Basics
- 5.5 Neural Networks
- 5.6 Applications of Deep Learning

##### 6. HUAWEI Cloud EI Overview

- 6.1 HUAWEI Cloud EI Overview

#### Prerequisites

- Have a basic understanding of Python Programming Language
- Have a good command of network technology basics.
- Be familiar with basic operations on Linux operating systems.
- Have a good command of Higher Mathematics basics.

#### Duration

- 5 Weeks

#### Training Dates

Weekdays & Saturday Weekend Class

#### Cost

- KES 10,000 for Machakos University Students and staff
- 20,000 for Non-Machakos University Students and Staff
- Payment can be made to any of the branch of the following accounts and indicate that it is for HAINA: •Kenya Commercial Bank: Account No. **1137145064**(Machakos Branch)
- National Bank of Kenya: Account No. **01020078499400**(Machakos Branch)

#### How to apply

Apply online at :  
<https://bit.ly/2WGuFVY>

#### Exam

- **Prerequisite** No
- **Exam Subject**
  - Code: H12-211
  - Description: HCIA-HNTD
  - Fee: \$200 (free for now)
  - Duration: 90 Minutes
  - Language: English

#### For More Information

Mobile Number: 0723817034, 0715074377 Or

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