



# HCIA-AI V3.0 Exam Outline

## Huawei HCIA-AI V3.0 Certification Exam

Certification	Exam Code	Exam Name	Language	Exam Cost	Exam Duration	Pass Score/ Total Score
HCIA-AI	H13-311	HCIA-AI V3.0	ENU	200USD	90 mins	600/1000

## Exam Contents

The HCIA-AI V3.0 exam covers:

- AI Overview
- Machine Learning Overview
- Deep Learning Overview
- Mainstream Development Frameworks for AI
- Huawei AI Development Framework MindSpore
- Huawei AI Computing Platform Atlas
- Huawei Open AI Platform for Smart Devices
- HUAWEI CLOUD Enterprise Intelligence Application Platform
- Comprehensive AI Experiment

## Key Points Percentage

Key Points	Percentage
1.AI Overview	10%
2.Machine Learning Overview	20%
3.Deep Learning Overview	20%
4. Mainstream Development Frameworks for AI	18%
5. Huawei AI Development Framework MindSpore	2%
6. Huawei AI Computing Platform Atlas	5%
7. Huawei Open AI Platform for Smart Devices	2%
8. HUAWEI CLOUD Enterprise Intelligence Application Platform	8%
9. Comprehensive AI Experiment	15%

## **Knowledge Points**

### **1 AI Overview**

- 1.1 AI Overview
- 1.2 Technical Fields and Application Fields of AI
- 1.3 Huawei's AI Development Strategy
- 1.4 AI Disputes
- 1.5 Future Prospects of AI

### **2 Machine Learning Overview**

- 2.1 Machine Learning Definition
- 2.2 Machine Learning Types
- 2.3 Machine Learning Process
- 2.4 Other Key Machine Learning Methods
- 2.5 Common Machine Learning Algorithms
- 2.6 Case Study

### **3 Deep Learning Overview**

- 3.1 Deep Learning Summary
- 3.2 Training Rules
- 3.3 Activation Function
- 3.4 Regularization
- 3.5 Optimizer
- 3.6 Types of Neural Network
- 3.7 Common Problems

### **4 Mainstream Development Frameworks for AI**

- 4.1 Mainstream Development Frameworks
- 4.2 TensorFlow 2.x Basics
- 4.3 Common Modules of TensorFlow 2.x
- 4.4 Basic Steps of Deep Learning Development

### **5 Huawei AI Development Framework MindSpore**

5.1 MindSpore Development Framework

5.2 MindSpore Development and Application

## **6 Huawei AI Computing Platform Atlas**

6.1 Overview of AI Chips

6.2 Hardware Architecture of Ascend Chips

6.3 Software Architecture of Ascend Chips

6.4 Huawei Atlas AI Computing Platform

6.5 Industry Applications of Atlas

## **7 Huawei Open AI Platform for Smart Devices**

7.1 AI Industry Ecosystem

7.2 Huawei HiAI Platform

7.3 Developing Apps Based on Huawei HiAI Platform

## **8 HUAWEI CLOUD Enterprise Intelligence Application Platform**

8.1 Overview of HUAWEI CLOUD EI

8.2 ModelArts

8.3 HUAWEI CLOUD EI Solutions

## **9 Comprehensive AI Experiment**

9.1 Machine Learning Experiment

9.2 Mainstream Development Framework and Deep Learning Experiment

9.3 ModelArts Experiment Guide

### **NOTE**

The content mentioned in this document is a general exam guide only. The exam may also contain more specific or related content that is not mentioned above.

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### **Reference**

HCIA-AI V1.0 Training Courses

HUAWEI CLOUD EI service documents (<https://www.huaweicloud.com/en-us/ei/>)

### **Recommended Training**

HCIA-AI V1.0 training