



HUAWEI TRAINING

HCIA-AI (Artificial Intelligence)

Master foundational AI concepts and Huawei HCIA-AI skills. Build intelligent solutions and launch your AI career.

DURATION

40 hours

LEVEL

Beginner

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

The Huawei Certified ICT Associate - Artificial Intelligence (HCIA-AI) course is your gateway to understanding the foundational concepts and practical applications of artificial intelligence. This beginner-level certification, designed by Huawei, covers essential AI theories, algorithms, and practical development skills, making complex topics accessible to new learners. Over 40 intensive hours, you will delve into the core technologies that power today's AI, including Python programming for AI, machine learning basics, an introduction to deep learning, and an overview of Huawei's robust AI ecosystem.

This course is meticulously structured to provide a solid understanding of how AI works, its various application scenarios, and the ethical considerations involved. You will gain hands-on experience with fundamental AI development tools and platforms, preparing you to contribute to AI-driven projects. The curriculum emphasizes practical knowledge, ensuring that you not only grasp theoretical concepts but also develop the ability to implement basic AI solutions.

Earning your HCIA-AI certification offers significant professional benefits, establishing your credibility in the rapidly expanding field of artificial intelligence. It serves as an excellent stepping stone for individuals aspiring to build a career in AI, data science, or machine learning, opening doors to entry-level positions and setting the stage for more advanced certifications and specialized roles within the ICT industry.

Duration	40 hours
Level	Beginner
Vendor	Huawei

PREREQUISITES

- Basic programming skills and mathematics

COURSE CURRICULUM

01 Module 1: Foundations of Artificial Intelligence

- What is AI? History and Landscape
- Types of AI (ANI, AGI, ASI)
- Key Application Scenarios of AI (Image Recognition, NLP, Robotics)
- Introduction to Machine Learning, Deep Learning, and Big Data
- Huawei's AI Strategy and Ecosystem Overview

02 Module 2: Essential Python for AI

- Python Programming Fundamentals (syntax, data types, control flow, functions)
- NumPy for Numerical Computing and Array Manipulation
- Pandas for Data Manipulation and Analysis
- Matplotlib and Seaborn for Data Visualization and Exploration

03 Module 3: Introduction to Machine Learning

- Supervised vs. Unsupervised Learning Paradigms
- Data Preprocessing and Feature Engineering Basics
- Understanding Linear Regression and its Applications
- Introduction to Classification Algorithms (Logistic Regression)

- Model Evaluation Metrics (Accuracy, Precision, Recall, F1-Score)

04 Module 4: Deep Learning Concepts and AI Ecosystem

- Introduction to Neural Networks and Perceptrons
- Activation Functions and the Concept of Backpropagation
- Overview of Popular Deep Learning Frameworks (TensorFlow, PyTorch, MindSpore)
- Introduction to Huawei Ascend Processors and MindSpore Ecosystem
- Ethical Considerations and Social Implications of AI

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior AI Engineer**
- > **Data Analyst with AI Specialization**
- > **AI Solution Support Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What are the necessary technical prerequisites for enrolling in the HCIA-AI course?

The HCIA-AI course is designed for beginners. While no prior experience in AI is required, a basic understanding of computer operations and foundational programming logic, ideally with Python, will be highly beneficial. The course is structured to build AI knowledge from the ground up, making it accessible to individuals with limited prior experience in the field of artificial intelligence.

Q: What practical skills will I acquire that are directly applicable to AI projects after completing this HCIA-AI certification?

Upon successful completion of the HCIA-AI certification, you will gain practical proficiency in using Python for data manipulation, analysis, and visualization. You will understand and be able to explain fundamental machine learning algorithms like linear and logistic regression, grasp the basic principles of neural networks and deep learning, and comprehend data preprocessing techniques crucial for AI model training. These skills are foundational for entry-level data science and AI development roles.

Q: How does the HCIA-AI certification prepare me for more advanced Huawei AI certifications or specialized roles in the AI industry?

The HCIA-AI certification serves as the essential foundational stepping stone within Huawei's comprehensive AI certification path. It equips you with the core theoretical knowledge and practical understanding necessary to pursue the more advanced HCIP-AI certification, which delves deeper into specific AI domains and practical application development. Furthermore, it establishes a solid base for specialized roles such as a Junior AI Engineer or AI Solution Support Specialist by providing you with industry-recognized expertise in artificial intelligence fundamentals.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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