HW-INTCIA

HUAWEI CERTIFIED ICT ASSOCIATE INTELLIGENT COMPUTING

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
5 Days	Associate	Huawei	Instructor Led	Huawei Vouchers

INTRODUCTION

The HCIA Intelligent Computing certification aims to enable engineers with basic knowledge and skills in the intelligent computing field, including computing industry basis, chip technology, computing system architecture and products. Achieving HCIA Intelligent Computing certification will indicate that you have basic knowledge about the intelligent computing industry, software and hardware architecture of the computing system, common technologies of servers and chips, and application practices in typical industry solutions. You will have the knowledge and skills required for intelligent computing pre-sales technical support, intelligent computing after-sales technical support, intelligent computing product sales, intelligent computing project management, server engineers, and data center IT engineers. Enterprises who employ HCIA Intelligent Computing certified engineers will be able to implement basic design, operation and maintenance of intelligent computing products and solutions to meet the challenges of the intelligent computing era.

AUDIENCE PROFILE

The course is aimed at:

− People who want to become intelligent computing engineers
− People who want to obtain HCIA-Intelligent Computing V1.0 certification

PREREQUISITES

− None

COURSE OBJECTIVES

On completion of this course, the participants will be able to:

− Understand the key concepts of direction, planning, improvement.
− Describe the development history and trend of the computing industry.
− Understand the basic classification of processor chips.
− Understand basic knowledge about heterogeneous computing.
− Describe what is computing system.
− Distinguish computing product type.
− Be familiar with the major vendors of computing industry.
− Be familiar with the software and hardware architecture and key components of the computing system.
− Be familiar with the computing platform cluster and stateless computing technologies.
− Understand the technologies related to heterogeneous computing and intelligent acceleration.
− Understand server management software and management ecosystem Ansible.
− Be familiar with the architecture and typical application scenarios of common industry solutions.
− Understand typical cases of common industry solutions.

COURSE CONTENT

Lesson 1: Brief History & Development Trend of the Computing Industry

− Definition
− Brief History

− Present Situations and Challenges
− CPU Chips and Heterogenous Computing

Lesson 2: Overview of the Computing System Architecture
− Computation System Overview

− Hardware Architecture
− Software Architecture
− Major Computation Players

Lesson 3: Introduction to Computing Platform Products
− What is a Server?

- Server Types
- Hardware and Software Structures of Servers
- Key Server Components
- Server Architecture and Development Trends
- Computing Product Software

Lesson 4: Common Technologies and O&M of the Computing Platform
- Common Computing Technologies
- High Availability Technologies

- heterogenous Computing
- Intelligent Acceleration
- Intelligent O&M of Computing Products

Lesson 5: High Performance Computing (HPC) Solution
- HPC Industry Overview
- What is HPC?
- Typical Application Scenarios
- Challenges and Solutions
- Typical Cases

Lesson 6: Artificial Intelligent (AI) and Intelligent Edge Solution
- Introduction to the Intelligent Edge Industry
- What is Intelligent Edge?
- Typical Application Scenarios
- Intelligent Edge Challenges and Solutions
- Introduction to the AI Industry
- AI Challenges and Solutions

ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to write the HCIA Intelligent Computing exam #H13-211