Cisco AI Technical Practitioner Advanced (AITECHA)

ID AITECHA **Price** on request **Duration** 2 days

Who should attend

- IT and Network Engineers
- Data Analysts
- AIOPs Specialists
- Solutions Architects
- Technical Leads

Prerequisites

There are no formal prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Completion of Cisco AI Technical Practitioner (AITECH) Learning Path
- Comfortable with Python, REST APIs, and LLM API usage

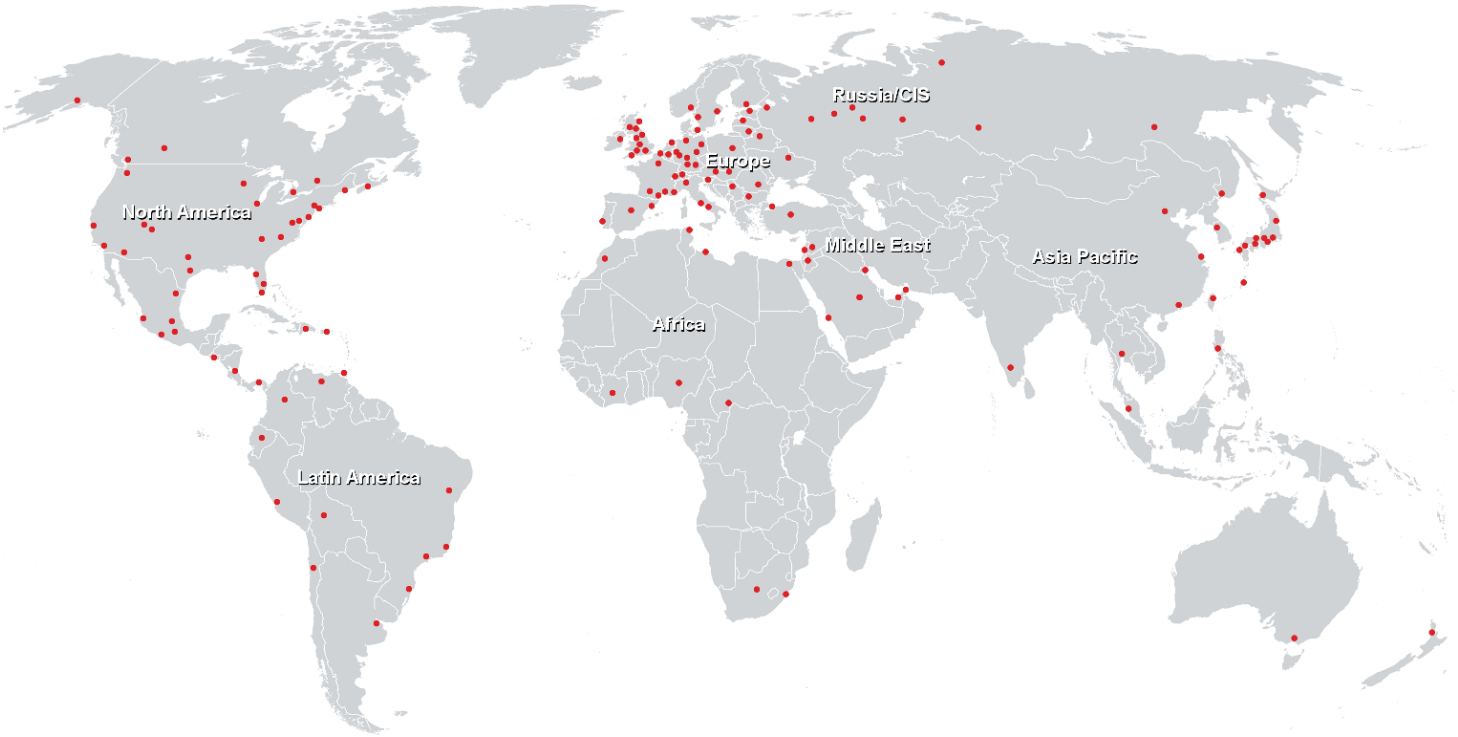
These skills can be found in the following Cisco Learning Offerings:

- Cisco AI Technical Practitioner (AITECH)
- Programming for Network Engineers (PRNE)

Course Objectives

- Construct a functioning AI agent using industry-standard agentic frameworks and debugging practices
- Parse and route structured agent outputs to enable reliable downstream system integration
- Configure MCP servers and integrate external tools into AI-powered applications
- Implement memory, state management, and context retrieval within AI agent systems
- Design and build a production multi-agent pipeline in LangGraph using supervisor routing, specialist subgraphs, and parallel execution with structured state handoffs
- Monitor and maintain AI agents in production using observability tooling, KPI frameworks, and cost management strategies
- Evaluate agentic AI security risks and the technical configuration of Cisco AI Defense, DefenseClaw, and Splunk for threat detection and mitigation

Training Centres worldwide





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