

AITECH - CISCO AI TECHNICAL PRACTITIONER V1.0

Course Code: 860062

Accelerate your transition to AI-driven innovation by designing solutions, automating tasks, and leading teams using cutting-edge AI tools and methodologies.

The **Cisco AI Technical Practitioner (AITECH)** training is designed for technical professionals seeking to transition from traditional knowledge-based work to innovation-driven roles augmented by Artificial Intelligence (AI). This comprehensive program equips you with the skills to effectively design technical solutions, automate tasks, and lead technical teams using cutting-edge AI tools and methodologies. From AI-powered code generation and data analysis to advanced model customization and workflow automation, this training prepares IT and network engineers, data analysts, AIOps specialists, solutions architects, technical leads, managers, and business process analysts to harness the full potential of AI within their organizations.

This training prepares you for the 810-110 AITECH v1.0 exam. If passed, you earn the AI Technical Practitioner certification. This training also earns you 8 Continuing Education (CE) credits toward recertification.

What You'll Learn

- Describe common Generative AI models, tools, and practical workflows
- Apply a strategic framework to build a professional AI toolkit by evaluating platforms for enterprise readiness, analyzing AI service economics, and making the architectural decision between cloud and local deployment
- Explain the importance of effective prompts and apply basic techniques to craft and refine prompts for improved Generative AI outputs
- Develop multimodal business assets by utilizing generative AI tools to create and refine text, visual, and audio content
- Apply security frameworks and governance practices to mitigate dataset bias, protect sensitive data, and neutralize AI-specific threats
- Validate AI-generated outputs by identifying quality issues and biases, and applying specific techniques to correct those errors for professional use
- Construct complex, multi-step prompts by applying advanced methodologies to manage ambiguity and elicit specific LLM responses
- Apply generative AI tools to conduct research and synthesize information, and use AI as a catalyst for brainstorming
- Explain the fundamental role of APIs in AI systems and the principles of secure

API usage

- Evaluate the impact of AI on software engineering workflows by analyzing its role in optimizing code quality, velocity, and lifecycle management
- Conduct exploratory data analysis and transformation by utilizing generative AI tools to clean datasets and generative insights
- Evaluate AI model customization strategies by differentiating between fine-tuning and RAG and analyzing local deployment architectures
- Design directive AI-powered workflows and describe the architecture of autonomous agentic systems

Who Needs to Attend

- IT and Network Engineers
- Data Analysts
- AIOps Specialists
- Solutions Architects
- Technical Leads
- Managers
- Business Process Analysts

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CLASSROOM LIVE

\$2,595 CAD

2 Day

Classroom Live Outline

- Generative AI Ecosystem
- AI Architect's Toolkit
- Prompt Engineering for Technical Precision
- AI-Driven Multimodal Asset Creation
- Generative AI Security and Privacy Fundamentals
- Debugging and Correcting AI-Generated Outputs
- Advanced Prompting Strategies
- AI-Powered Discovery and Synthesis
- AI Systems Integration with APIs
- AI-Driven Software Engineering
- AI for Data Engineering and Exploration
- Customizing AI Models
- AI-Powered Workflows and Agentic AI

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VIRTUAL CLASSROOM LIVE

\$2,595 CAD

2 Day

Virtual Classroom Live Outline

- Generative AI Ecosystem
- AI Architect's Toolkit
- Prompt Engineering for Technical Precision
- AI-Driven Multimodal Asset Creation
- Generative AI Security and Privacy Fundamentals
- Debugging and Correcting AI-Generated Outputs
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Jul 27 - 28, 2026 | 8:30 AM - 4:30 PM EDT

Sep 21 - 22, 2026 | 8:30 AM - 4:30 PM EDT

Nov 9 - 10, 2026 | 8:30 AM - 4:30 PM EST

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ON-DEMAND

\$195 CAD

On-Demand Outline

- Generative AI Ecosystem
- AI Architect's Toolkit
- Prompt Engineering for Technical Precision
- AI-Driven Multimodal Asset Creation
- Generative AI Security and Privacy Fundamentals
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- Advanced Prompting Strategies
- AI-Powered Discovery and Synthesis
- AI Systems Integration with APIs
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- Customizing AI Models
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Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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