AI CERTs®

AI + Program Director Practitioner

Executive Summary

The AI+ Healthcare Administrator certification prepares professionals to lead the integration and management of AI technologies in healthcare organizations. Focusing on both technical and administrative aspects, the certification covers key areas such as AI implementation, healthcare data management, patient care optimization, and regulatory compliance. Participants will learn how to leverage AI for enhancing operational efficiency, improving decision-making, and ensuring patient privacy and data security. The program also addresses ethical concerns, sustainability, and AI governance, providing administrators with the tools to drive digital transformation while maintaining high standards in healthcare delivery and administration.

Prerequisites

- **Basic Understanding of Healthcare Systems:** Familiarity with healthcare operations and structures.

- **Fundamental Knowledge of AI Concepts:** Understanding machine learning and AI fundamentals.

- **Data Privacy and Security Awareness:** Knowledge of HIPAA and data protection laws.

- **Project Management Skills:** Ability to manage healthcare AI implementation projects.

- **Familiarity with Healthcare Software:** Experience with electronic health records (EHR) and healthcare platforms.

Exam Blueprint

Number of Questions

50

Passing Score

35/50 or 70%

Duration

90 Minutes

Format

Online via AI Proctoring platform

Question Type

Multiple Choice/Multiple Response

Exam Overview

Module	Weight
Foundations of AI for Program Strategy – Introduction	5%
Identifying AI Opportunities & Use Cases	9%
Governance & Ethics in AI	9%
AI Project Lifecycle & Integration	9%
Data Strategy & Infrastructure for AI	9%
AI Integration: Build vs Buy vs Partner	9%
AI Risk Management & Compliance	9%
AI Tools & Techniques for Project Management	9%
Leadership in AI	8%
Scaling AI Initiatives	8%
Future Trends in AI	8%
Capstone Project & Presentation	8%
	100%

AI CERTs®

AI⁺
Program Director
– Practitioner™

Certification Modules

Module 1

Foundations of AI for Program Strategy – Introduction

1.1 Understanding of AI, ML, and Deep Learning

1.2 AI Lifecycle & Real-World Applications

1.3 Societal Impact of AI

1.4 Use Case: Triage System (AI for Emergency Services)

1.5 Case Study: Retail Recommendation System (Personalizing Customer Experience)

1.6 Hands-on: Use Teachable Machine to Build a Simple AI Classifier

Module 2

Identifying AI Opportunities & Use Cases

2.1 Introduce AI Strategy Alignment Frameworks: AI Canvas, Value vs Feasibility Matrix

2.2 Signs That a Process May Benefit from AI: Repetitive Tasks, Data-Rich Environments, Personalization Needs

2.3 Prioritization Techniques: Weighted Scoring, Risk-Adjusted ROI

2.4 Use-Case: Financial AI – Fraud Detection Systems Using AI

2.5 Case Study: AI-Driven Project Management System for a Program Director

2.6 Hands-on: Use Trello to Create a Board and Prioritize AI Opportunities Within a Given Scenario

Module 3

Governance & Ethics in AI

3.1 Responsible AI Principles

3.2 AI Bias & Risk Mitigation

3.3 Use-case: Auditing Bias in AI-Powered Recruitment to Ensure Fair Hiring

3.4 Case Study: Mitigating Algorithmic Bias in Credit Scoring Models to Ensure Fair Lending Practices

3.5 Hands-on: Use Google's What-If Tool in Google Colab to Evaluate Model Fairness and Bias

Module 4

AI Project Lifecycle & Integration

4.1 AI Project Planning & CRISP-DM

4.2 Integration: Build vs Buy vs Partner

4.3 AI Project Management Tools

4.4 Use Cases: AI for Predictive Maintenance (Asset Management in Manufacturing)

4.5 Tool-Based Hands-on Activity: Simulate an AI Project in Asana

Module 5

Data Strategy & Infrastructure for AI

5.1 Data Governance & Quality

5.2 Setting up Data Pipelines for AI

5.3 Sensitive Data Management

5.4 Use Case: Retail Inventory System — AI-driven Restocking and Demand Prediction

5.5 Case Study: Healthcare Data Security — Managing Patient Privacy in AI-Based Healthcare Systems

5.6 Tool-Based Hands-on Activity: Set up Airbyte Cloud and Build a Basic Data Pipeline

Module 6

AI Integration — Build vs Buy vs Partner

6.1 Evaluating AI Solutions

6.2 Vendor Evaluation & Management

6.3 Use Case: AI Vendor Selection — Choosing Predictive Maintenance Solutions for a Manufacturing Plant

6.4 Tool-Based Hands-on Activity: Use a Vendor Selection Template to Evaluate AI Vendors (Google Sheets)

Module 7

AI Risk Management & Compliance

7.1 Regulatory Frameworks

7.2 Bias Detection & Mitigation

7.3 Use Case: Facial Recognition Bias (Law Enforcement Systems)

7.4 Case Study: AI in Finance: Ensuring Compliance in AI Deployments

7.5 Tool-Based Hands-on Activity: Bias Testing & Fairness Evaluation Using KNIME and Google PAIR Facets Fairness Explorer

Module 8

AI Tools & Techniques for Project Management

8.1 AI Project Management Tools

8.2 Data Management Tools

8.3 Case Study and Use Case: AI Workflow Management: Using project management tools for AI deployment in the retail sector

8.4 Tool-Based Hands-on Activity: Use Asana to simulate project timelines, setting up tasks and milestones for an AI initiative

Module 9

Leadership in AI

9.1 Leading AI Teams & Change Management

9.2 Managing Stakeholders & Communication

9.3 Use Case: AI in Manufacturing: Leading AI Implementation in a Large-Scale Manufacturing Operation

9.4 Tool-Based Hands-on Activity: Use Miro to Map Stakeholder Communication Strategies and Identify Key Influencers

Module 10

Scaling AI Initiatives

10.1 From Pilot to Full-Scale Deployment

10.2 Organizational Maturity Models for AI

10.3 Use Case: Scaling AI in Retail: Expanding AI-driven Recommendations Globally

10.4 Tool-Based Hands-on Activity: Create a Scaling Roadmap Using Lucidchart Outlining Key steps in Scaling AI Initiatives.

Module 11

Future Trends in AI

11.1 Emerging AI Technologies

11.2 Use Case / Case Study: AI in Autonomous Vehicles: The future of AI in self-driving cars

11.3 Tool-Based Hands-on Activity: Explore Hugging Face Transformers for NLP and TensorFlow for Deep Learning Applications

Module 12

Capstone Project & Presentation

12.1 Capstone Project Overview

12.2 Presentation & Feedback

12.3 Final Review & Certification – Method, Process, and Feedback Mechanism

Certification Outcome

After completing the AI + Program Director Practitioner certification, learners can identify high-impact AI opportunities, develop compelling business cases, and translate strategy into actionable roadmaps. Participants gain a practical understanding of AI project lifecycles, data readiness, and governance requirements, enabling responsible and compliant program execution from concept to scale. The certification builds capability in build-vs-buy decisions, vendor evaluation, stakeholder alignment, and change management. Learners also strengthen skills in risk mitigation, bias awareness, and regulatory considerations. With hands-on exposure to industry tools and frameworks, participants are prepared to deliver measurable outcomes, improve operational efficiency, and accelerate enterprise AI adoption.

Market Insight

Organizations are accelerating AI adoption, but many initiatives stall due to unclear strategy, weak governance, and poor cross-functional execution. Demand is rising for program leaders who can translate AI potential into scalable, compliant delivery with measurable business outcomes.

Value Proposition

AI + Program Director Practitioner equips professionals to identify AI opportunities, prioritize use cases, build business cases, and run end-to-end AI programs. Learners gain frameworks for governance, vendor decisions, risk mitigation, and scaling—turning AI investments into measurable results.

Additional Features

Includes practical templates, tool-based activities, and real-world scenarios across industries. Covers responsible AI, regulatory awareness, stakeholder communication, and change management. Capstone-based learning strengthens portfolio readiness and supports confident leadership of AI initiatives from pilot to scale.

AI Experts

Jason Kellington

AI Expert

As a consultant, trainer, and technical writer with more than 25 years of experience in IT, I specialize in the development and delivery of solutions focused on effective and efficient enterprise IT.

Justin Frébault

AI Expert

I'm a boutique data consultant specializing in data mesh and lakehouse solutions. I've dedicated my career to helping organizations transform their approach to data, moving beyond mere knowledge.

J Tom Kinser

AI Expert

I have over forty years of experience in software development, data engineering, management, and technical training. I am a Microsoft Certified Trainer and a software developer, holding multiple certifications.

Terumi Laskowsky

AI Expert

Country Manager for Global Consulting Services in Japan, Specialties: Information Security (Compliance, Policy, Application, Host, Network)

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