C|AIPM

Certified | Artificial Intelligence Program Manager

CERTIFIED AI PROGRAM MANAGER

Become the AI Value Architect: The Definitive Path to Scaling Intelligence and Generating ROI.

Enterprises Need Certified
AI-first Program Managers

AI is moving from experimentation to infrastructure, but many organizations lack the structured program management needed to scale. AI Program Managers help integrate AI across the program life cycle, from customer discovery to delivery, so enterprises can improve product quality and speed to market with confidence.

IDC estimates $5.5 trillion in unrealized AI value by 2026 due to skills gaps. McKinsey reports 80% of companies use AI, but scaling remains limited due to a lack of program leadership.

Why AI Programs Keep Failing

70–85% of generative AI initiatives fail to meet desired outcomes. The technology isn't the issue. Organizations lack professionals with verified skills to bridge AI capability to business outcomes.

This credential validates the skills organizations need most: professionals who can adopt, govern, and operationalize AI at scale. The Certified AI Program Manager (C|AIPM) certification verifies that you have these capabilities.

Source: NTT Data

The Market Problem

Why AI Investments Fail

- Organizations invest in AI tools but lack program leadership to scale
- AI pilots remain isolated experiments with unclear ROI
- Accountability is unclear when AI systems fail or underperform
- Technical teams build solutions disconnected from business goals
- Governance gaps expose organizations to compliance and ethical risks

Introducing Certified
AI Program Manager

C|AIPM
Certified | Artificial Intelligence Program Manager

Certified AI Program Manager (C|AIPM) is EC-Council's professional certification for people responsible for **owning AI decisions and driving execution:** business, technology, data, and risk.

C|AIPM prepares you to:

- Assess AI readiness across teams and processes

- Prioritize AI use cases tied to business outcomes

- Design adoption and rollout roadmaps

- Coordinate delivery across cross-functional teams

- Implement governance, Responsible AI, and security controls

- Track performance and ROI to prove value

Certified AI Program Manager (C|AIPM) is not about building models. It is about making AI work on an enterprise scale predictably, securely, and sustainably.

Skills This Program Validates

- This credential validates your ability to own AI initiatives end-to-end

- It validates mastery of decision framing and trade-off analysis for AI initiatives

- It validates competency in ROI measurement and executive communication

- It proves your ability to bridge technical execution with business strategy

- It verifies your skills in governance, ethics, and risk management

Verifiable Skills You Will Gain with Certified AI Program Manager C|AIPM Credential to Lead AI Transformation

Strategize and Lead Adoption

- Translate business goals into AI roadmaps
- Define KPIs, measure ROI, and drive change

Operationalize AI

- Understand MLOps and life cycle practices needed for production
- Plan scalable AI architectures and operational workflows

Secure and Govern AI

- Apply Responsible AI and risk governance
- Integrate AI-specific security and compliance practices

Harness Generative AI

- Use GenAI safely and effectively for business outcomes
- Apply prompt engineering methods to improve output quality

Deploy and Scale

- Execute real-world rollouts across industries (e.g., finance, healthcare, manufacturing)
- Drive adoption, usability, and sustained performance

C|AIPM prepares you for the leadership roles enterprises need now, where AI strategy meets execution.

Enterprise Impact of *Verifiable Skills* from Certified AI Program Manager

C|AIPM-enabled leaders deliver measurable enterprise impact including:

- **Higher AI ROI:** convert pilots into durable, revenue-impacting programs

- **Embedded governance:** Responsible AI guardrails across the life cycle

- **Faster delivery:** streamlined operationalization and change management

- **Connected innovation:** safe cross-team collaboration across functions

Certified AI Program Manager C|AIPM *Modules*

Master AI program management from strategy to deployment. The C|AIPM certification covers adoption, execution, and operationalization of AI.

Module 01
AI Fundamentals for Business Adoption

Build a strong foundation in AI, ML, and Generative AI, with a clear understanding of how AI differs from automation and analytics, how it is adopted in real businesses, and the trends shaping enterprise AI transformation.

What You will Learn:

- Understand core AI concepts and business applications

- Learn the differences between AI, automation, and analytics

- Identify AI capabilities, data dependencies, and failure modes

- Learn the types of AI-ML, DL, Generative AI, and Agents

- Apply AI project life cycle, MLOps, and DataOps

- Analyze emerging AI trends and future opportunities

Module 02
Organizational Readiness and AI Maturity Assessment

Assess your organization's readiness for AI adoption by evaluating strategy, data, technology, workforce, and culture, while identifying capability gaps and adoption risks.

What You will Learn:

- Assess AI readiness across key dimensions

- Apply AI maturity models and benchmark capabilities

- Conduct AI readiness assessments

- Identify AI adoption risks

Module 03
AI Use Case Identification and Value Prioritization

Identify, evaluate, and prioritize high-value AI use cases using structured discovery methods, feasibility analysis, and value-based decision frameworks to maximize business impact.

What You will Learn:

- Identify AI opportunities and assess business value

- Prioritize use cases based on ROI and feasibility

- Analyze build vs. buy vs. partner decisions for AI solutions

Module 04
AI Strategy and Roadmap Development

Define an AI strategy aligned with business vision and governance guardrails and build a prioritized roadmap to guide scalable and accountable AI adoption.

What You will Learn:

- Develop AI strategy aligning with business goals

- Create AI roadmaps with dependency mapping

- Design AI operating models with clear roles and governance

Certified AI Program Manager C|AIPM *Modules*

Module 05

Change Management and AI Enablement

Enable successful AI adoption by leading workforce change, building organizational AI literacy, and applying proven change management frameworks to embed AI into culture and daily operations.

What You will Learn:

- Lead AI adoption with effective change management
- Apply ADKAR and Kotter frameworks for AI initiatives
- Build AI training programs and a learning culture

Module 06

AI Platforms, Tools, and Ecosystem

Understand enterprise AI platforms, tools, and ecosystems, and learn how to evaluate, select, and integrate AI solutions securely within organizational IT environments.

What You will Learn:

- Evaluate AI platforms and tools for business fit
- Integrate AI tools with enterprise systems
- Ensure security and vendor maturity in AI tools

Module 07

Governance, Ethics, and Safe AI Adoption

Design and implement AI governance, ethical guardrails, and compliance frameworks to ensure responsible, auditable, and mission-ready AI adoption.

What You will Learn:

- Establish AI governance policies and processes
- Implement ethical AI practices with bias awareness
- Navigate AI compliance and regulatory frameworks

Module 08

AI Pilot Execution and Scaled Deployment

Plan, execute, and scale AI pilots into enterprise deployments by applying structured governance, phased rollouts, and risk-aware adoption strategies.

What You will Learn:

- Design and execute AI pilots with success metrics
- Manage phased rollouts and AI deployment readiness
- Scale AI adoption and mitigate expansion risks

Certified AI Program Manager C|AIPM *Modules*

Module 09
Measuring AI Adoption Impact and Value

Track AI adoption effectiveness, quantify business value, and communicate measurable impact to stakeholders using data-driven frameworks.

What You will Learn:

- Measure AI adoption effectiveness and skill progression
- Quantify business value through AI metrics
- Communicate AI value via dashboards and reports

Module 10
Sustaining AI Transformation and Continuous Improvement

Learn how to embed AI into core business operations by building the leadership, processes, and governance required to sustain long-term AI transformation and value creation.

What You will Learn:

- Ensure long-term AI transformation success
- Continuously improve AI adoption and adapt to new technologies
- Build leadership and a sustainable AI culture

Learning *AI Adoption* Through Real-world Exercises

Embedded throughout the C|AIPM curriculum, these exercises reinforce mastery at key stages of the enterprise AI journey, preparing you to lead enterprise AI adoption from readiness to scale.

Exercise 01: Enterprise AI Readiness and Maturity Assessment

Exercise 02: AI Use Case Discovery and Prioritization

Exercise 03: Enterprise AI Strategy and Roadmap Design

Exercise 04: AI Change Management and Workforce Enablement Plan

Exercise 05: Enterprise AI Tool Evaluation and Selection

Exercise 06: Responsible AI Governance and Risk Management

Exercise 07: AI Pilot Execution to Scale Decision

Exercise 08: AI Adoption Impact and Value Measurement

Exercise 09: Sustaining Enterprise AI Transformation

AI Program Management

Methodology

From strategy to execution, accountability to adoption, and pilots to production, a lot goes into successfully scaling AI programs across an enterprise.

This framework is designed to help you navigate every step.

ADOPT 01

Enable responsible AI adoption by building organizational readiness, aligning AI initiatives with business goals, and establishing workforce and stakeholder buy-in.

MANAGE 02

Manage end-to-end AI programs with structured governance, risk management, vendor coordination, change management, and value tracking.

OPERATIONALIZE 03

Move initiatives from pilot to production, integrating AI into enterprise systems, scaling deployments, and sustaining measurable impact.

Who CAIPM Is Designed For

This program is designed for professionals across security, IT, and business functions who want to lead AI initiatives.

PROGRAM and TECHNOLOGY LEADERSHIP

- Program managers leading AI initiatives
- Technology strategists and system integrators enabling AI missions

SECURITY and IT OPERATIONS

- Cybersecurity professionals involved in AI adoption and transformation
- IT administrators supporting AI integration and deployment

POLICY, RISK, and COMPLIANCE

- Policymakers overseeing responsible AI adoption
- Compliance officers governing AI operational risk

DATA and ANALYTICS

- Data analysts transitioning into AI operations roles
- Data engineers supporting AI deployment pipelines

BUSINESS and OPERATIONS

- Business leaders aligning AI investments to ROI
- Operations managers driving AI-enabled transformation

Certified AI Program Manager C|AIPM

Training and Exam Overview

Training

Title of the Course: Certified AI Program Manager (C|AIPM)

Version: 1

Duration: 3 days

Prerequisite: 3 years of cybersecurity experience

Delivery Mode:

- **Instructor-led Training (ILT)**
  In-person training where you can collaborate with your peers.

- **iLearn (Asynchronous Online Learning)**
  An asynchronous, self-study experience in a video-streaming format.

- **iWeek (Synchronous Online Learning)**
  A live, online course led by an instructor.

Exam

Exam Title: Certified AI Program Manager (CAIPM)

Exam Code: 312-41

Number of Questions: 100

Duration: 3 hours

Availability: ECC Exam Portal

Passing Score: 70–80%

Test Format: Multiple Choice Questions (MCQs)

Certified AI Program Manager C|AIPM

Where AI strategy meets execution.

About EC-Council

EC-Council's mission is to build and redefine the cybersecurity profession globally

through education, certification, and workforce development, with an expanded focus on **AI-enabled and AI-secure enterprises**.

Through industry-recognized certifications and training, EC-Council prepares professionals to address challenges across **cybersecurity, AI governance, and the secure adoption of AI technologies**. Its certification portfolio includes programs such as Certified Ethical Hacker (C|EH AI), Certified Penetration Testing Professional (C|PENT AI), Computer Hacking Forensic Investigator (C|HFI), Certified Network Defender (C|ND), Certified SOC Analyst (C|SA), Certified Threat Intelligence Analyst (C|TIA), Certified Incident Handler (E|CIH), and the Certified Chief Information Security Officer (C|CISO).

EC-Council also provides cybersecurity services to some of the largest businesses globally. Trusted by 7 of the Fortune 10, 47 of the Fortune 100, the U.S. Department of Defense (DoD), the intelligence community, NATO, and more than 2,000 universities, colleges, and training companies, with certified professionals in more than 140 countries.

EC-Council is an ANAB ISO/IEC 17024-accredited organization and has recognition under **DoD Directive 8140/8570**, as well as recognition in the U.K. by **GCHQ** and other bodies.

Founded in 2001, EC-Council employs more than 400 individuals worldwide and operates 10 global offices in the U.S., U.K., Malaysia, Singapore, India, and Indonesia, including U.S. offices in Albuquerque, New Mexico, and Tampa, Florida.

Learn more at eccouncil.org.