

Certified Artificial Intelligence Professional (CAIP)

 Online instructor-led
Self-study
On-site
Modality

 English
Language

 5 days
Duration



Master the design, implementation, and governance of AI systems with the Certified Artificial Intelligence Professional course. In just 5 days, you'll gain practical expertise in machine learning, deep learning, NLP, computer vision, robotics, and AI strategy — while addressing critical challenges such as bias, privacy concerns, and compliance.

This course goes beyond theory, combining technical depth with strategic and ethical frameworks. You'll learn how to build scalable AI models, manage AI projects, and align AI solutions with business objectives. By passing the exam, you'll earn the PECB Certified Artificial Intelligence Professional credential — a globally recognised certification that validates your leadership in AI implementation.

Learning Objectives

By the end of the course, you will be able to:

-  Explain foundational AI concepts and their applications
-  Conduct data analysis and visualisation for AI projects

- ✓ Build and deploy machine learning models (supervised, unsupervised, reinforcement)
- ✓ Implement deep learning architectures such as CNNs
- ✓ Apply NLP, computer vision, robotics, and expert systems
- ✓ Assess and mitigate AI risks, including privacy and compliance
- ✓ Develop ethical and governance strategies aligned with organisational goals

Who Should Attend?

- 🔍 AI professionals and practitioners involved in development or deployment
- 📊 Data scientists responsible for developing and optimising AI models
- 💻 IT managers overseeing AI projects
- 🚀 AI Enthusiasts who aspire to advance into leadership roles, such as AI project managers or AI strategists
- ⚖️ Risk and compliance officers responsible for managing AI-related risks and ensuring compliance with regulations
- 👥 AI strategists and project leads
- 👤 C-level executives (CIOs, COOs, CEOs) who play a crucial role in decision-making processes related to AI
- 🎯 Professionals aiming for executive roles in AI

Course Agenda

- Day 1 |** Foundations of AI and Data Analysis
- Training course objectives and structure
 - Fundamental concepts and principles of artificial intelligence
 - Data analysis and visualization

Day 2 | Machine Learning

- Foundations of data science and machine learning
- Machine learning workflow
- Supervised learning
- Unsupervised learning
- Advanced ML and broader applications

Day 3 | Deep Learning and Natural Language Processing

- Foundational NLP concepts
- Classical and intermediate NLP techniques
- Modern NLP: Transformers and large language models
- NLP applications and future directions
- Fundamental concepts of deep learning
- Deep learning architectures and advanced techniques

Day 4 | Computer Vision, Robotics, AI Strategy, Governance, and Risk Manager

- Generative models and specialized architectures
- Deep learning and future directions
- Computer vision
- Robotics
- AI security
- AI ethics
- AI governance and strategy

Day 5 | Certification exam

- ✓ Build and deploy machine learning models (supervised, unsupervised, reinforcement)
- ✓ Implement deep learning architectures such as CNNs
- ✓ Apply NLP, computer vision, robotics, and expert systems
- ✓ Assess and mitigate AI risks, including privacy and compliance
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Certification & Exam

Certification Prerequisites

After successfully passing the exam, you can apply for one of the credentials shown below. You will receive the certificate once you comply with all the requirements related to the selected credential.

The requirements for PECB Certified Artificial Intelligence Professional certifications are as follows:

	Provisional Artificial Intelligence Professional	Artificial Intelligence Professional	Other requirements
General Work Experience	None	2 Years	
AI Work experience	None	1 year	Signing the PECB Code of Ethics

 **Exam:** 3 hours, taken on Day 5

What's Included?

 5-day course covering AI technologies, governance, and compliance

 Certification and exam fees included

 Course completion attestation, granting 31 CPD credits.

It covers the following competency domains:

- Domain 1** | Fundamental concepts and principles of artificial intelligence .
- Domain 2** | Data analysis and Visualization.
- Domain 3** | Building Machine Learning models.
- Domain 4-5** | Concepts of Deep Learning and NLP.

Domain 6-7-8 | Knowledge and application of Computer Vision, Robotics and Expert System.

Domain 9 | AI Risk, Privacy and Compliance.

Domain 10 | AI Ethics, Governance, Strategy

🕒 **Retake:** Free retake within 12 months if needed

📄 **Maintenance Fee:** First year included; fees applies from second year. Pay \$120/year or save 10% by paying three years upfront.