

# PECB Certified Artificial Intelligence Professional - CAIP® Self-Study Pack

PECB Certified self-study pack including official exam voucher and second chance

Earn your PECB Certified Artificial Intelligence Professional (CAIP) certification at your own pace!

This **certified Artificial Intelligence Professional self-study course** equips participants with the knowledge and skills needed to succeed in AI-related roles. The program covers a wide range of topics, from fundamental AI concepts to advanced applications such as machine learning, deep learning, natural language processing, robotics, computer vision, and expert systems.

It also places strong emphasis on responsible AI practices, including risk management, ethics, and compliance, ensuring that participants are fully prepared **to design and implement AI solutions** in real-world environments.

Fully accredited training by PECB

- Gain a solid understanding of the latest AI trends, technologies, and innovations
- Design, develop, and optimize AI systems that foster business growth and innovation
- Tackle key challenges related to AI bias, data privacy, ethics, and regulatory compliance
- Align AI strategies with organizational objectives to maximize efficiency and business value

This training and the certification are available in English and in French.

By joining this course, you are taking a significant step toward becoming **a leader in AI implementation** and ensuring your skills remain relevant in a technology-driven future.

This certification enhances your professional credibility while opening the door to new and exciting career opportunities in artificial intelligence and related industries.

## LEARNING OBJECTIVES

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- Explain the core principles of AI and its key applications across different industries
- Analyze data and create meaningful visualizations to support AI-driven projects
- Apply machine learning techniques to real-world challenges, including supervised, unsupervised, and reinforcement learning
- Implement basic neural networks and advanced deep learning models, such as CNNs
- Understand the fundamentals of natural language processing and computer vision
- Explore robotics and expert systems for AI-powered automation
- Identify and reduce AI-related risks while ensuring regulatory compliance
- Develop ethical AI strategies aligned with organizational values and societal expectations

## WHAT'S INCLUDED?

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- Certificate and examination fees are included in the price of this self-study pack
- A free retake of the exam is included in the fee
- Comprehensive Curriculum: The course combines theoretical knowledge with real-world examples to ensure participants gain both fundamental and advanced AI concepts.
- Practical Exercises: Hands-on activities and projects simulate real-life scenarios, enabling participants to apply their skills effectively.
- Certification Readiness: The course includes quizzes and exercises that closely align with the certification exam format

## WHO IS THIS SELF-STUDY PACK INTENDED FOR?

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- AI Professionals actively involved in the development and implementation of AI technologies
- Experienced AI Practitioners seeking to enhance their knowledge, stay updated with the latest trends, and refine their leadership skills
- Data Scientists responsible for developing and optimizing AI models
- IT Managers overseeing AI projects and initiatives within their organizations
- Risk and Compliance Officers responsible for managing AI-related risks and ensuring compliance with regulations
- Executives, including CIOs, CEOs, and COOs, who play a crucial role in decision-making processes related to AI
- Professionals aiming for executive-level AI roles who need a comprehensive understanding of AI technologies and their applications

## PREREQUISITES

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A general understanding of basic programming knowledge is recommended.

## ABOUT THE CERTIFIED ARTIFICIAL INTELLIGENCE PROFESSIONAL EXAM

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The **PECB Certified Artificial Intelligence Professional** exam meets all the requirements of the PECB Examination and Certification Program (ECP). 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:** Deep Learning and Natural Language Processing

**Domain 5:** Knowledge and application of Computer Vision and Robotics

**Domain 6:** AI Security

**Domain 7:** AI Ethics, Governance, Strategy

**Participants will receive a voucher to take their exam from home or from the office.** The exam voucher is valid during one year. However, we advise not to wait too long between the end of your course and exam.

- Exam duration: 3 hours
- Open book format
- Number of questions: 80 multiple-choice questions
- Available languages: English and French

## SELF-STUDY & EXAM DELIVERY

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Once we have received your order, we will send you a confirmation email within maximum 2 working days with your access codes or voucher to access your self-study materials and exam voucher. You will need to create your PECB account and validate your email. You can already do this before ordering your pack.

**Do you need e-learning for multiple users? Please contact us on +32 2 3351236 or [send us a request](#) for a quotation.**