

Artificial Intelligence (AI) Foundation - Inclusief Examen

Duration: 2 Days **Course Code: AIF** **Delivery Method: Virtual Learning**

Overview:

Artificial Intelligence is transforming the way we live and work. This course is designed to give you a solid foundation in the key concepts, technologies, and ethical considerations that shape the field. Whether you're curious about how AI systems learn, want to understand the impact of AI on society, or are looking to apply AI in your organization, this course offers a practical introduction that's accessible to all backgrounds. You'll explore the history and evolution of AI, learn about machine learning and generative AI, and discover how data drives intelligent systems.

Beyond the technical basics, AI Foundation also dives into real-world applications, ethical challenges, and the future of AI in the workplace. You'll gain insights into how organizations are adopting AI, what risks and opportunities exist, and how careers are evolving in this fast-moving field. If you're interested in understanding AI's potential and preparing for the BCS Foundation certification, this course will help you build the knowledge and confidence to take your next step.

Target Audience:

The EXIN BCS Artificial Intelligence Foundation is suitable for individuals with an interest in exploring the functions and abilities of AI, and how these can be used in an organization.

The following roles could be interested: Developers Project managers Product managers Chief information officers Chief finance officers Change practitioners Business consultants Leaders of people

Objectives:

- **After completing this course you should be able to:**
- Grasp the core concepts and terminology of artificial intelligence.
- Recognize ethical, legal, and sustainability issues in AI.
- Identify how AI and machine learning are used in real-world scenarios.
- Understand the basics of data, data quality, and generative AI.
- Discover practical ways AI can be applied in organizations.
- Explore the impact of AI on careers, society, and the future of work.

Prerequisites:

Attendees should meet the following prerequisites:

- Basic Computer knowledge.
- Knowledge of AI terminology is recommended.

Testing and Certification

Successful completion of the EXIN BCS Artificial Intelligence Foundation exam.

Exam details:

- Exam type: Multiple choice questions
- Number of questions: 40
- Passing score: 65%
- Open book/notes: No Electronic devices/aids allowed: No
- Exam duration: 60 minutes
- ECTS study points: 2
- Languages: English, Portuguese, Chinese, Dutch, Japanese

Content:

1. An introduction to AI and historical development	3.1 Common examples of AI in practice	4.8 Data in the machine learning process
1.1 Key AI definitions and terminology	3.2 The role of robotics in AI	5. Using AI in Your Organization
1.2 Key milestones in AI development	3.3 Machine learning fundamentals	5.1 Identifying AI opportunities in organizations
1.3 Types of AI: narrow vs general	3.4 Common machine learning concepts	5.2 Business case structure and contents
1.4 AI's impact on society	3.5 Supervised vs unsupervised learning	5.3 Stakeholder identification and categorization
1.5 Environmental sustainability in AI	4. Finding and Using Data in AI	5.4 Project management approaches for AI
2. Ethical and Legal Considerations	4.1 Key data terminology and concepts	5.5 Risk, cost, and benefit analysis
2.1 Ethical concerns: bias and privacy in AI	4.2 Data quality characteristics and importance	5.6 Ongoing governance activities for AI
2.2 Guiding principles for ethical AI development	4.3 Data handling risks and mitigation strategies	6. Future Planning and Impact
2.3 Strategies for addressing ethical challenges	4.4 Big data: purpose and applications	6.1 AI roles and career opportunities
2.4 The role of regulation in AI	4.5 Data visualization techniques and tools	6.2 Real-world AI applications across industries
2.5 Risk management processes in AI	4.6 Generative AI terminology	6.3 AI's societal impact and future directions
3. Enablers of AI	4.7 Generative AI and large language models	6.4 Consciousness and ethical AI considerations

Further Information:

For More information, or to book your course, please call us on 030 - 60 89 444

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