

ISTQB® Certified Tester AI Testing

The ISTQB® Certified Tester AI Testing (CT-AI) v2.0 certification focuses on testing AI-based systems, including machine learning systems and generative AI systems such as large language models. It provides the knowledge required to design and execute tests for AI-based systems, addressing their specific characteristics, including probabilistic behavior, non-determinism, and reliance on data. It also introduces AI-specific quality characteristics relevant to testing AI-based system

To be eligible to undertake the AI Testing certification exam, candidates must first hold the ISTQB® Foundation Certificate.

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| Introduction to AI | Introduction to Testing AI-Based Systems |
| Quality Characteristic for AI-Based Systems | Testing Generative AI & Large Language Models |
| Quality Characteristics for AI-Based Systems | Test Levels & Machine Learning Systems |
| Acceptance Criteria for AI-Based Systems | Input Data Testing for Machine Learning Systems |
| Machine Learning | Input Data Testing for Machine Learning Systems |
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| Data for Machine Learning | Model Testing for Machine Learning Systems |
| ML Functional Performance Metrics for Classification | Machine Learning Development Testing |
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EXAM STRUCTURE

* 31 points or more;

** Only for participants taking the exam in a language other than their mother tongue;

*** Each correct answer can have a value of 1 to 3 points.

40
Multiple-Choice
Questions

60
Minutes

65%*
Passing
Score

+ 15**
Minutes
Additional Time

44***
Maximum
Score

BUSINESS OUTCOMES

- Understand the current state and expected trends of AI;
- Experience the implementation and testing of machine learning models;
- Understand the working and testing of simple neural networks;
- Understand the specific AI quality characteristics defined by ISO/IEC 25059;
- Calculate and interpret ML functional performance metrics for machine learning models;
- Recognize the scope and importance of the two test levels that are specific to the testing of machine learning systems;
- Contribute to the development of an effective test strategy for a machine learning system;
- Design and execute test cases for machine learning systems.

For more information, please contact: exames@pstqb.pt

