

ISO 10218-1 ROBOTS AND ROBOTIC DEVICES CERTIFICATION

As per International Standards



UNICHROME

Unichrone Training **Advantages**

- ✓ 1 Day Interactive Instructor –led Online/Classroom or Group Training
- ✓ Course study materials designed by subject matter experts
- ✓ Mock Tests to prepare in a best way
- ✓ Highly qualified, expert & accredited trainers with vast experience
- ✓ Enrich with Industry best practices and case studies and present trends
- ✓ ISO 10218-1 Robots and Robotic Devices System course adhered with International Standards
- ✓ End-to-end support via phone, mail, and chat
- ✓ Convenient Weekday/weekend ISO 10218-1 Robots and Robotic Devices System Training Course schedule



About Unichrone

✓ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies

Importance of ISO 10218-1 Robots and Robotic Devices Certification Training

- ✓ ISO 10218-1 specifies requirements for industrial robot safety, security measures, and usage guidelines. This standard aids businesses in doing a methodical risk evaluation of their robot and robot system. It entails determining, assessing, and mitigating the hazards posed by their design. ISO 10218-1 covers safety, performance, and the interaction between robots and humans. This ensures that industrial robots are safe to operate and interact with in various industrial settings. ISO 10218-1 Robots and Robotic Devices Certificate verifies that aspirants have an in-depth understanding and proficiency with the safety requirements related to robotic systems.
- ✓ Robot Safety Standards Training is crucial for any professional dealing with industrial robots. Unichrone offers a structured curriculum that covers the scope, purpose, benefits, and structure of ISO 10218-1. Our training course is led by certified instructors with extensive knowledge of ISO 10218 standards. They effectively explain the theoretical aspects of ISO 10218-1, enhancing participants' understanding. We include case studies and practical exercises to demonstrate the practical application of standard. This hands-on experience enhances participants' ability to apply the principles and requirements of ISO 10218-1 in real-world scenarios.

ELIGIBILITY CRITERIA

- ✓ Aspirants need not meet any requirements to pursue ISO 10218-1 Training Course. However, having prior knowledge of the ISO standard is beneficial.

WHO SHOULD ATTEND

- ✓ Any individual who wants to gain knowledge about Robots and Robotic Devices can enroll in ISO 10218-1 Training course.

ISO 10218-1 ROBOTS AND ROBOTIC DEVICES CERTIFICATION ADVANTAGES



CERTIFIES
YOUR TALENT



HELPS
BUILDING
VALUES



GLOBAL
RECOGNITION



PERFECT
EXECUTION



BUILDS
CUSTOMER
LOYALTY



MORE
EMPLOYABILITY
OPTIONS

Syllabus of ISO 10218-1 Robots and Robotic Devices Training

Lesson 01 – Introduction to ISO 10218

1.	Scope
2.	Terms and Definitions

Lesson 02 – Hazards Identification and Risk Assessment

1.	Requirements
2.	Task Identification
3.	Hazards Identification
4.	Risk Reduction

Syllabus of ISO 10218-1 Robots and Robotic Devices Training

Lesson 03 – Design Requirements and Protective Measures

1.	General Requirements
2.	Actuating Controls
3.	Safety-Related Control System Performance
4.	Robot Stopping Functions
5.	Speed Control
6.	Operational Modes
7.	Pendant Controls
8.	Control of Simultaneous Motion
9.	Collaborative Operation Requirement
10.	Singularity Protection
11.	Axis Limiting and Movement Without Drive Power
12.	Provisions for Lifting and Electrical Connectors
13.	Electral Connector

Lesson 04 – Verification and Validation of Safety Requirements

1.	General
2.	Verification and Validation Methods
3.	Required Verification and Validation

Exam Format of ISO 10218-1 Robots and Robotic Devices Certification

Examination Format	
Exam Name	ISO 10218-1 Robots and Robotic Devices exam
Exam Format	Multiple Choice
Total Questions & Duration	30 Questions, 1 Hour
Passing Score	Minimum passing score of 70%
Exam Cost	Included in training fee

To get you fully prepared with the knowledge and skills for the ISO 10218-1 Robots and Robotic Devices , a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by certified ISO faculty, the practice tests are a true simulation of ISO 10218-1 Robots and Robotic Devices exam.

Contact Us

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<https://unichrone.com/>

