

Basic (Teaching) & Maintenance (Inspection) / Painting/Basic & Maintenance Course (5 days)

■ Course outline and target audience

This course covers basic (teaching) and maintenance (inspection) for five consecutive days.

■ Curriculum

Days	Time	Content of implementation
Day 1	08:50 - 09:00	Reception
	09:00 - 09:10	Facility explanation and schedule confirmation
	09:10 - 12:00	Robot Showroom Tour (Nishi-Kobe Only) Safety training (Basic knowledge of industrial robots and related laws and regulations)
		Lunch time
	13:00 - 17:00	Knowledge of explosion-proof specifications Knowledge of manual operations (How to operate the controller switches and teach pendant, and basic settings)
Day 2	09:00 - 12:00	Creating and editing programs using the teach pendant (movement, speed, etc.)
		Lunch time
	13:00 - 17:00	Programmed operation (Program check method and automatic operation Start/Stop method) Program creation and editing using teach pendant (spray, paint signals, etc.)
Day 3	09:00 - 12:00	Program creation and editing using teach pendant (input/output signals, etc.)
		Lunch time
	13:00 - 15:30	Program creation and editing (general problems, applied problems, etc.)
	15:30 - 17:00	Auxiliary functions (automatic trajectory generation, save load, etc.)
Day 4	09:00 - 12:00	Knowledge of inspection, etc. (characteristics, handling methods, and risks of components) Recovery after replacement of controller components (explanation of parts control, inspection inside control panel, parts replacement work, troubleshooting, explanation of error codes)
		Lunch time
	13:00 - 17:00	components of manipulator, servomechanism, and restoration after replacement (Explanation of Parts Control, Motor Replacement Work, Adjustment Work after Motor Replacement)
Day 5	09:00 - 11:00	Manipulator Part Components • Restoration after Replacement (Parts Control Explanation • Battery Replacement Method • Origin Adjustment Method)
	11:00 - 12:00	Knowledge of maintenance and inspection work
		Lunch time
	13:00 - 15:50	Maintenance work (daily inspection, periodic inspection, grease replacement)
	15:50 - 16:00	Q & A and Certificate of Completion

■ Notes on attending the course

- Please bring your own writing utensils, work clothes and safety shoes.
- There will be a reception on the first day, so please come by 8:50.
- There will be a 10 minute break in the AM and PM.
- We will prepare lunch during the course.
- The content and time of the course may change depending on the situation. We appreciate your understanding in advance.
- Those who have taken the safety course at our school or other institutions can skip it. Please contact us in advance and bring the appropriate certificate of completion on the day.
- Completion of special education (Teaching, Inspection, etc., of Industrial Robots) is required.

The purpose of this course is to master the basics of Kawasaki robot operation, program creation, equipment replacement work, maintenance and inspection work, etc.

Therefore, it is not intended to provide education (explanation) on individual system projects.